

////ALPINE

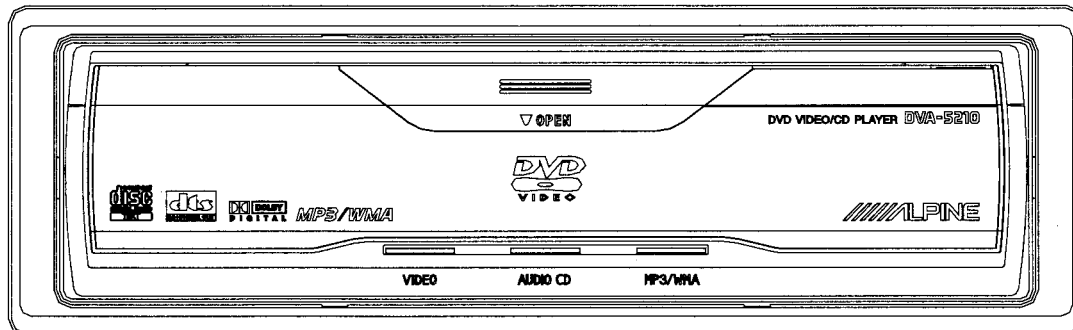
ALPI-000836

SERVICE MANUAL

DVD-VIDEO/CD/MP3/WMA Player



MP3



TO ALPINE Home Page

3 / 04-A
68E36313S01



DVA-5210

<Cautions for Safe Repair Work>



The following cautions will prevent accidents in the workplace and will ensure safe products.

*The symbols indicate caution is needed to prevent injuries and damage to property.



The symbols and their meanings follow.

 Warning	If you ignore this symbol and handle the product incorrectly or unsafely, serious injury or death may result.
 Caution	If you ignore this symbol and handle the product incorrectly or unsafely, injury or only material damage may result.



*The following symbols indicate two levels of cautions.



 When you see this symbol, you have to be very careful.
 When you see this symbol, you have to follow the instructions there.



Warning

 Do not look squarely into the laser light coming from the pickup. You may lose your sight.	 Fuse Caution Always use a designated fuse. Use of an incorrect fuse may result in a fire.
---	---


Caution

 Do not allow wiring to be caught in the screw/chassis. If wiring is caught in the screw/chassis, it may cause a short circuit, resulting in a fire.	 Battery Caution Use the designated battery. Confirm the correct polarity and seat of the battery. An incorrect battery or an improperly connected or seated battery may result in a fire.
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 High Temperature Caution Touching the heat sink may cause severe burns.	 Designated Parts Caution Look up the part list and ensure that only designated parts are used to prevent problems or accidents.
---	---

 Reverse Power Supply Connections or Misconnections Caution Reverse power supply connections or misconnections may cause ignition problems and smoke may result.	 Wiring Caution Ensure that the wiring is correct when rewiring to prevent problems with ignition/breakdown.
---	---

 Soldering Caution Hot solder from solder splash may cause severe burns.	 Wear Gloves Wear gloves to prevent electrical shocks or injury from the end face of the metal.
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 For the FDA laser standard, the following CAUTION label is stuck on each product. Please be careful for repair.	CAUTION-Laser radiation when open, DO NOT STARE INTO BEAM
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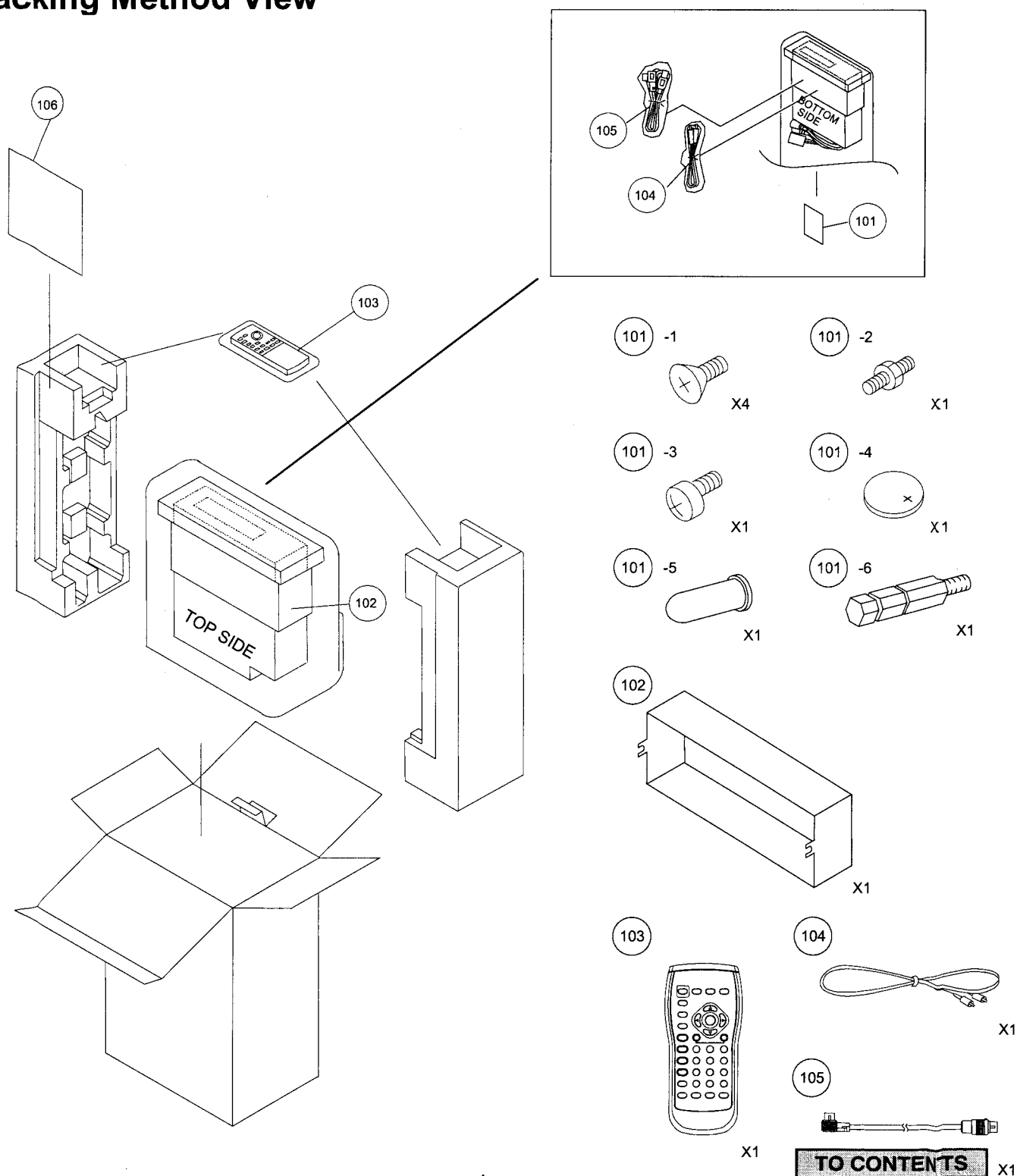
NOTE : Due to continuing product improvement, specifications and designs are subject to change without notice.

Packing Assembly Parts List

Symbol No.	Part No.	Description
101-1	03S60820Y16	SCR,MCH 5X8 ZN A
101-2	46A70667Y01	STUD,BOLT
101-3	02B70670Y01	NUT,CUS 5X5.5 ZN A
101-4	60S70585F01	BAT,LIT.3V (CR2025)
101-5	36A11113W01	CAP,RUBBER(A)
101-6	03A60836Y01	SCR,CUS 5X7 ZN A

Symbol No.	Part No.	Description
102	15D00529K02	CASE,INNER
103	01T75472Y01	ASSY,REMO RUE-4201
104	01T25634Y02	ASSY,WIRE VIDEO 2000
105	01T55561W32	ASSY,DIN S/L B/B2000
106	68P04190K34	O/M AOEJ AODL

Packing Method View



Specifications

<AUDIO>

Output Level (PREOUT 10k ohm, 1kHz)	CD (TCD-782) : 1200±100mV MP3 (SCD-4419) : 1200±100mV WMA (SCD-5100) : 1200±100mV VCD (TVD-581A) : 1200±100mV DVD (TDV-540A) : 1200±100mV
Channel Balance (PREOUT 10k ohm, 1kHz)	CD (TCD-782) : 0±3dB MP3 (SCD-4419) : 0±3dB WMA (SCD-5100) : 0±3dB VCD (TVD-581A) : 0±3dB DVD (TDV-540A) : 0±3dB
T.H.D. (PREOUT 10k ohm, 1kHz)	CD (TCD-782) : 0.3% MP3 (SCD-4419) : 0.3% WMA (SCD-5100) : 0.3% VCD (TVD-581A) : 0.3% DVD (TDV-540A, 48kHz sample) : 0.3%
Frequency Response (PREOUT 10k ohm, Ref. 1kHz)	CD (TCD-782) : 17Hz : 0±3dB 127Hz : 0±2dB 10.007kHz : 0±2dB 19.997kHz : 0±4dB MP3 (SCD-4419) : 17Hz : 0±3dB 127Hz : 0±2dB 10.007kHz : 0±2dB 19.997kHz : 0±4dB WMA (SCD-5100) : 17Hz : 0±3dB 127Hz : 0±2dB 10.007kHz : 0±2dB 19.997kHz : 0±4dB VCD (TVD-581A) : 21Hz : 0±4dB 127Hz : 0±2dB 10.007kHz : 0±2dB 19.997kHz : 0±4dB DVD (TDV-540A) : 17Hz : 0±4dB 127Hz : 0±2dB 10.007kHz : 0±2dB 19.997kHz : 0±4dB
S/N Ratio (PREOUT 10k ohm, 1kHz)	CD (TCD-782) : 75dB MP3 (SCD-4419) : 75dB WMA (SCD-5100) : 75dB VCD (TVD-581A) : 80dB DVD (TDV-540A, 48kHz sample) : 80dB
Separation (PREOUT 10k ohm, 1kHz)	CD (TCD-782) : 70dB MP3 (SCD-4419) : 70dB WMA (SCD-5100) : 70dB VCD (TVD-581A) : 65dB DVD (TDV-540A) : 65dB
De-Emphasis (PREOUT 10k ohm, Ref. 1kHz)	CD (TCD-782) : 4kHz : -20±3dB 16kHz : -20±3dB

<VIDEO>

Signal system PAL System
Flash signal Output Voltage VCD (HLV-402) : $1\pm0.15V$
DVD (V-509) : $1\pm0.15V$
Flash signal Frequency Response VCD (TVD-581A) : $2MHz : -1\pm2dB$
DVD (TDV-540A) : $6MHz : -3\pm2dB$
Flash signal S/N Ratio VCD (HLV-402) : 45dB
DVD (V-509) : 50dB

<Pickup>

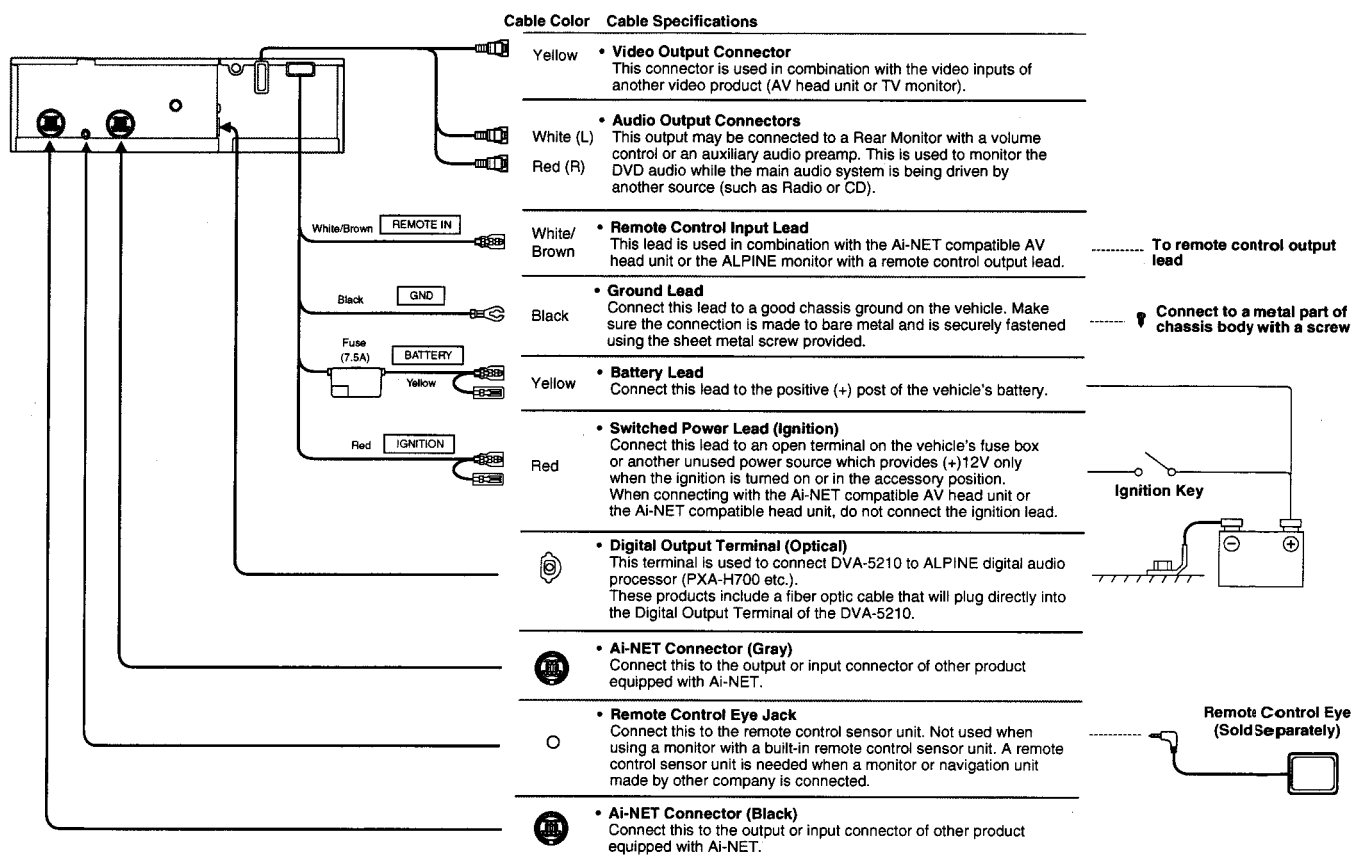
Wave Length 655nm
Laser Power CLASS II

<GENERAL>

Power Supply DC 14.4V
Dark Current 5mA
Dimensions (W x H x D) Nose : 188 x 58 x 18mm
Chassis : 178 x 50 x 158mm
Weight 1.5kg

NOTE : Due to Continuing product improvement, specifications and designs are subject to change without notice.

System Connections



- Connect properly.
- Never connect to parts other than the ones indicated in these operating instructions.
- Also refer to the operating instructions of the other products in the system.

Setting the System Switch

Switch to operate from either an Ai-NET compatible head unit or Ai-NET compatible AV head unit connected to this unit. Be sure to set the system switch before fastening the DVA-5210 in place.

- 1 Disconnect the power plug.
- 2 Set the system switch at the bottom of this unit with a pointed object.
 - 1:
When connecting to an Ai-NET compatible head unit or Ai-NET compatible AV head unit. If set to 2, with any of the Ai-NET compatible (AV) head units connected, you may not be able to operate from the head unit, or listen to audio from some external devices, etc. The factory default is 1.
 - 2:
When connecting to an Ai-NET incompatible head unit or another manufacturer's head unit.
- 3 Connect the power plug.

System Example

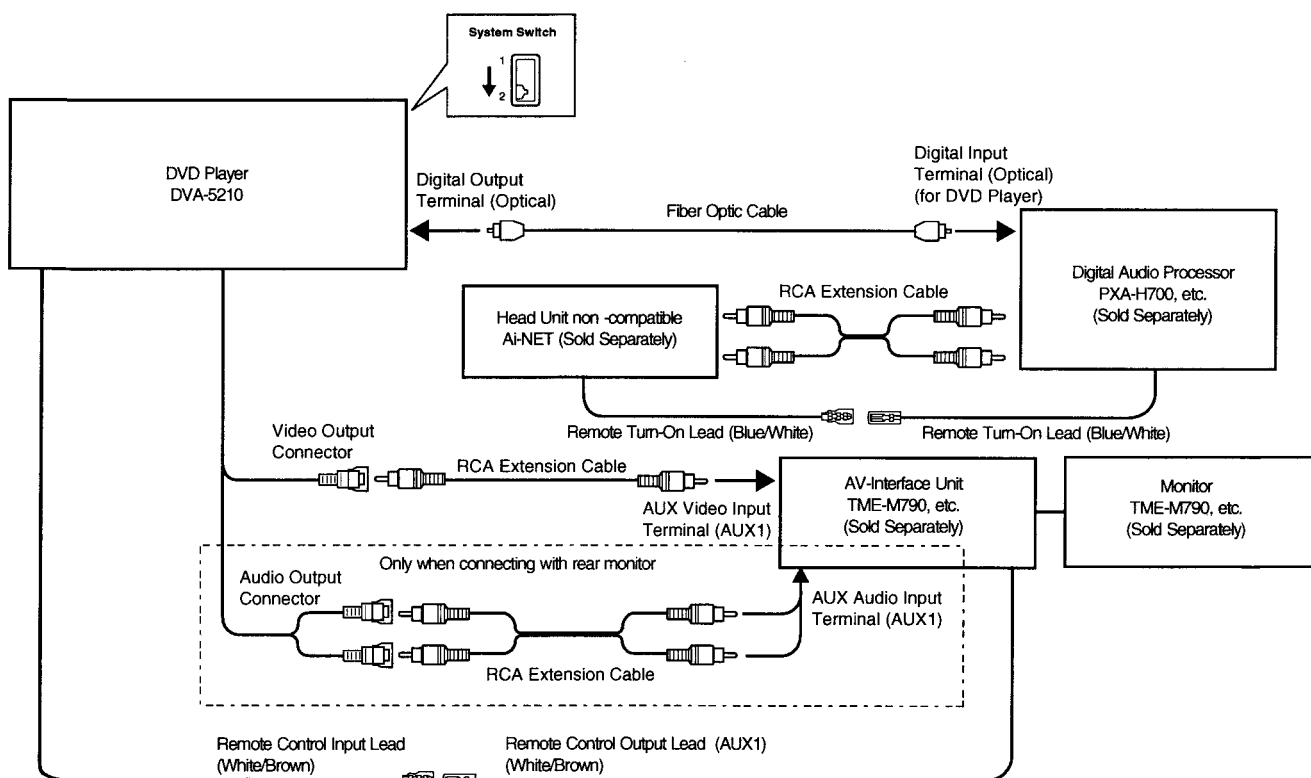
Precautions when Making System Upgrades

- After connections are completed, it will be necessary to change the system settings of the DVA-5210. Before installing the product, please see "Setting the System Switch" on OWNER'S MANUAL and "Setting the Ai-NET" on OWNER'S MANUAL.

When connecting the DVA-5210 to a head unit or Ai-NET compatible AV head unit, do not connect the switched (ignition) power lead.

- When connecting the DVA-5210 to an Alpine TV monitor and Ai-NET compatible AV head unit together, the remote control input cable (white/brown) of both units must be connected. Failing to do so will result in a loss of remote control operation. When making connections to another brand of TV monitor, please use the optional remote control sensor unit.

Connecting a non Ai-NET compatible Head Unit, Digital Audio Processor (PXA-H700, PXA-H900, etc.) and TV Monitor



Setting of DVA-5210

The DVA-5210's system settings must be made after connections are completed. Before fixing the unit in place, refer to "Setting the System Switch" on OWNER'S MANUAL and "Setting the Ai-NET" on OWNER'S MANUAL.

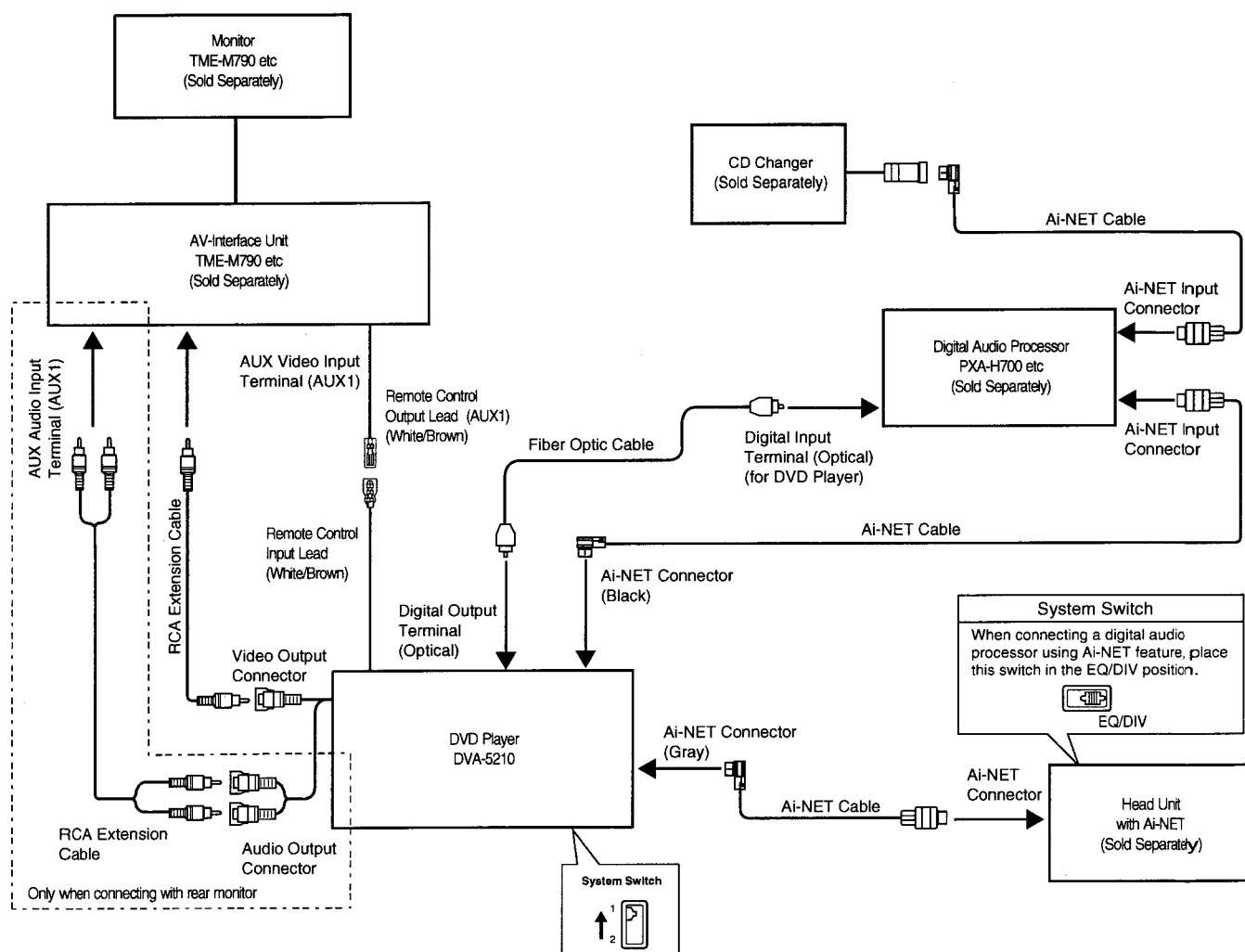
Setting Item	Setting
System switch	2 (ST ANDALONE)
Ai-NET setting	-

- If using in a system with a head unit that is not fully Ai-NET compatible (no processor control) and a digital audio processor, do not connect the head unit's Ai-NET cable. Only connect the DVA-5210 and digital audio processor using an optical fiber cable and its own Ai-NET cable. Use the head unit's analog output (Front or rear) connected to the analog input of the processor.
- When connecting only to a digital audio processor (with a non-Alpine head unit or Alpine head unit without Ai-NET), it is possible to use both an optical fiber cable and an Ai-NET output cable.
- When connecting another brand of TV monitor, there is no need to connect the remote control input cord (white/brown). Use the optional remote control sensor unit.
- Be sure to connect the switched (ignition) power lead.
- Also refer to the operating instructions of the other products in the system.

Please observe the following when using Fiber Optic Cable.

- Do not coil the Fiber Optic smaller than a 30 mm radius.
- Do not place anything on top of the Fiber Optic Cable.

Connecting an Ai-NET compatible Head Unit, Digital Audio Processor (PXA-H700, PXA-H900, etc.) and TV Monitor



Setting of DVA-5210

The DVA-5210's system settings must be made after connections are completed. Before fixing the unit in place, refer to "Setting the System Switch" on OWNER'S MANUAL and "Setting the Ai-NET" on OWNER'S MANUAL.

Setting Item	Setting	
	AV Head unit available after December 2003 (IVA-D300R, etc.)	AV head unit available before January 2004 (IVA-D900R, etc.) or head unit.
System switch	1 (Ai-NET)	
Ai-NET setting	FULL	TIME

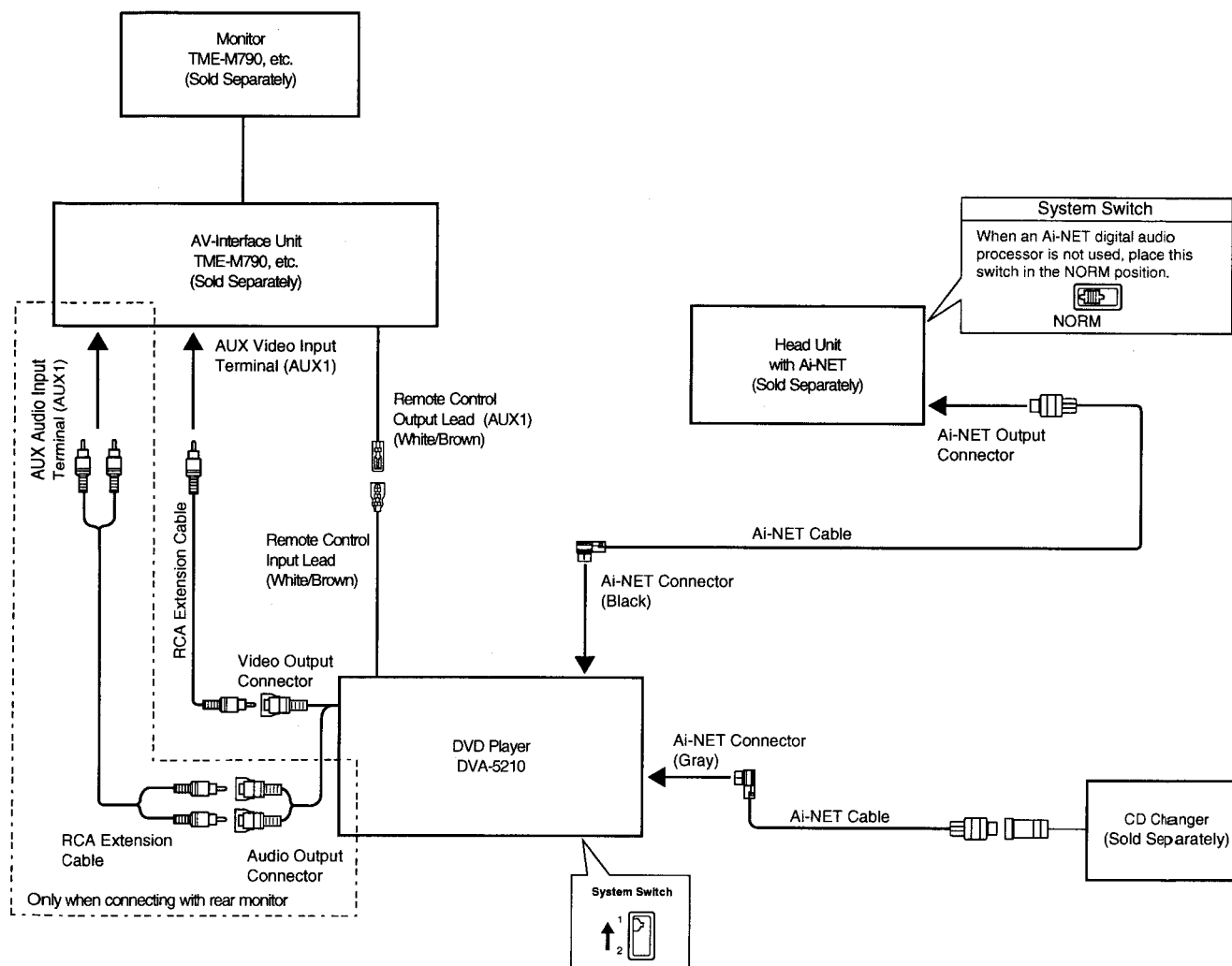
- Be sure to switch the head unit's system switch before turning the power on.
- Also refer to the operating instructions of the other products in the system.
- To connect a rear monitor, connect to the front monitor's RCA output (TV Tuner Box).

Please observe the following when using Fiber Optic Cable.

- Do not coil the Fiber Optic smaller than a 30 mm radius.
- Do not place anything on top of the Fiber Optic Cable.

The switched (ignition) power lead connection is not needed.

Connecting an Ai-NET compatible Head Unit and TV Monitor



Setting of DVA-5210

The DVA-5210's system settings must be made after connections are completed. Before fixing the unit in place, refer to "Setting the System Switch" on OWNER'S MANUAL and "Setting the Ai-NET" on OWNER'S MANUAL.

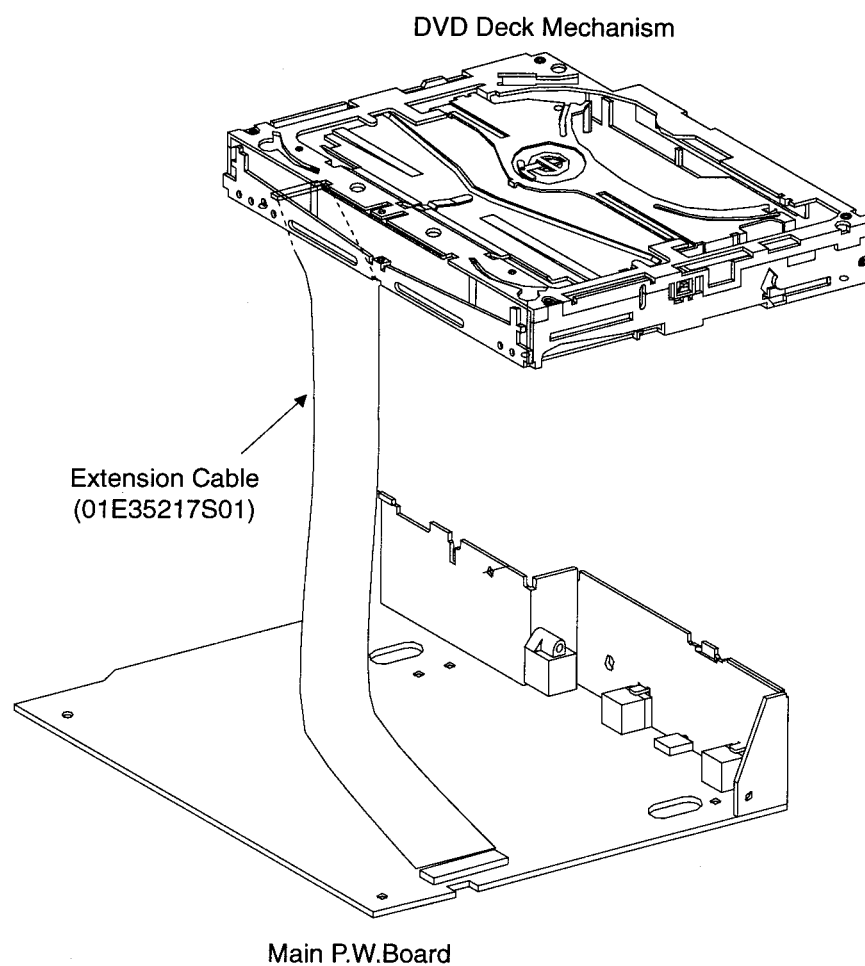
Setting Item	Setting	
	AV Head unit available after December 2003 (IVA-D300R, etc.)	AV head unit available before January 2004 (IVA-D900R, etc.) or head unit.
System switch	1 (Ai-NET)	
Ai-NET setting	FULL	TIME

- Be sure to switch the head unit's system switch before turning the power on.
- Also refer to the operating instructions of the other products in the system.
- To connect a rear monitor, connect to the front monitor's RCA output (TV Tuner Box).

The switched (ignition) power lead connection is not needed.

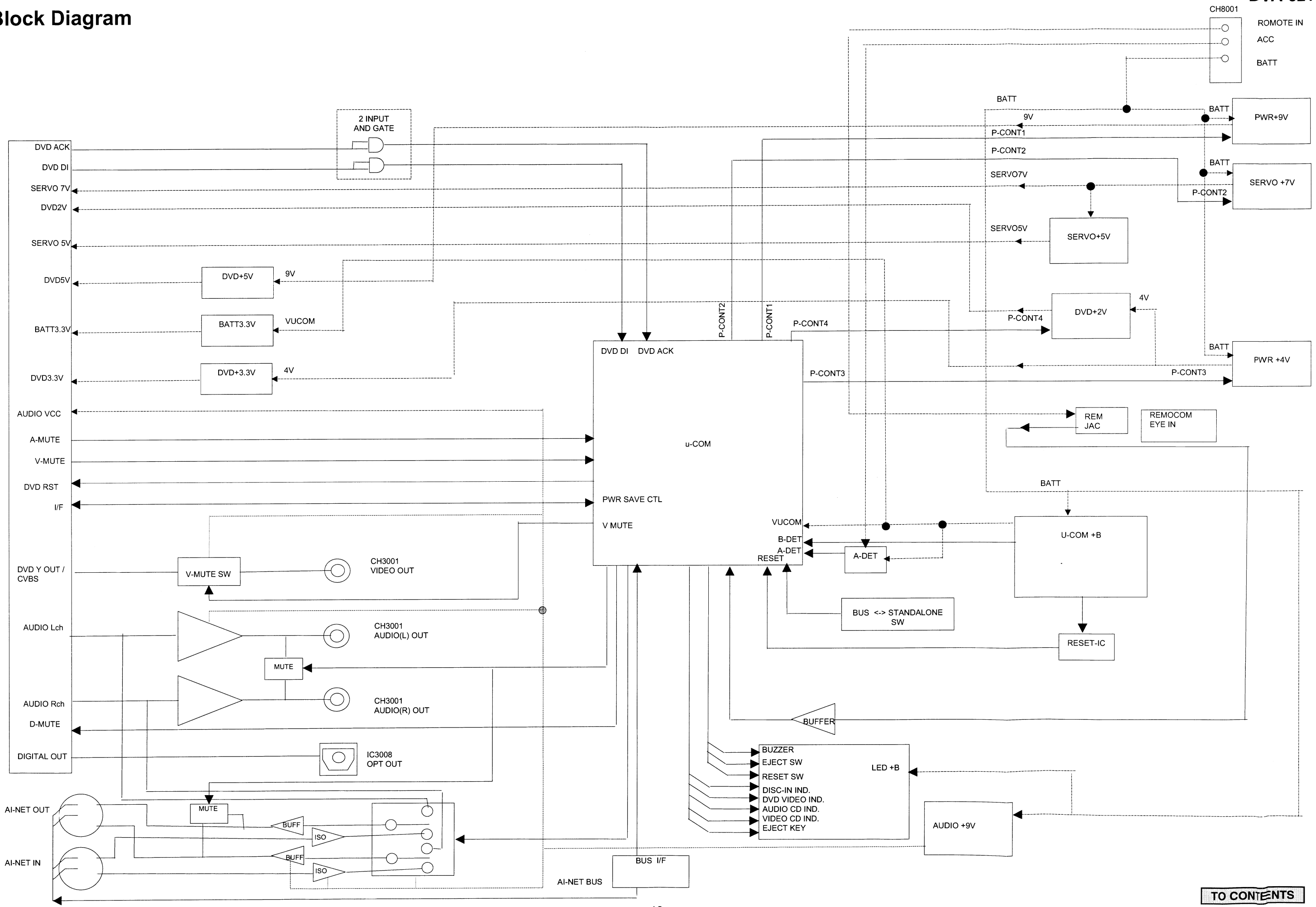
Extension Cable

* When repairing or measuring the voltage of this unit, connect with the Extension Cable as shown in below.

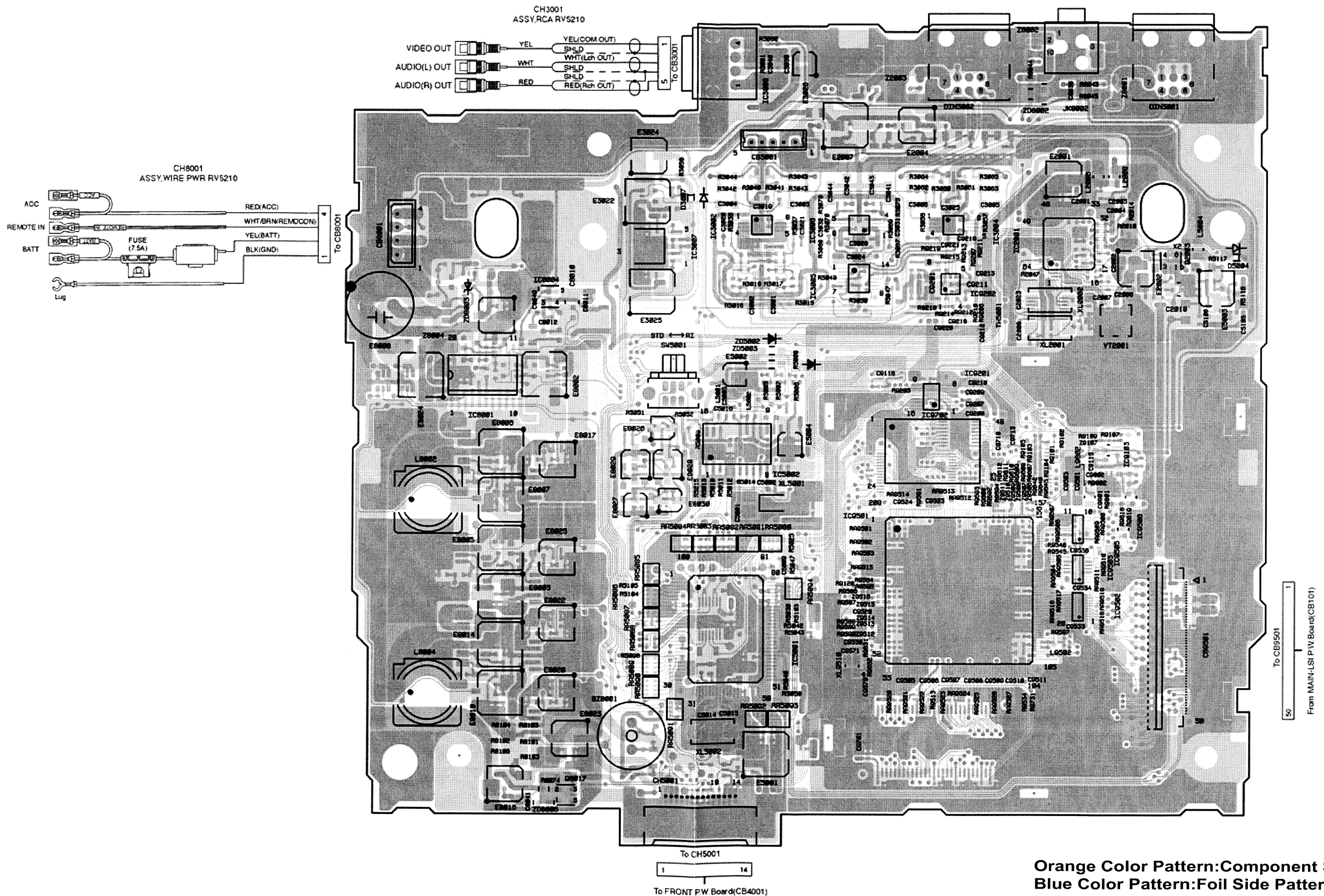


DVA-5210

Block Diagram

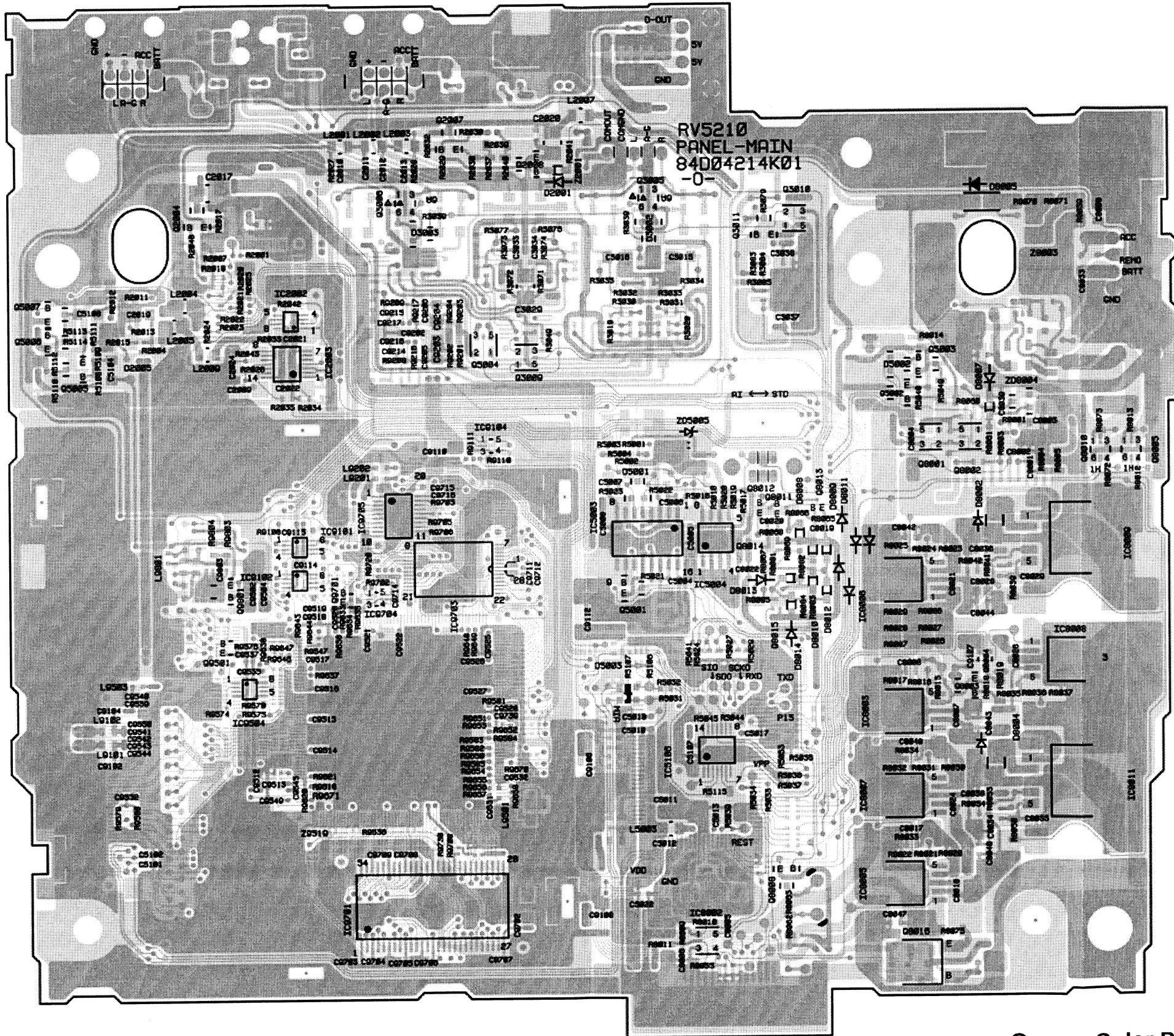


MAIN P.W.Board (Component Side View)

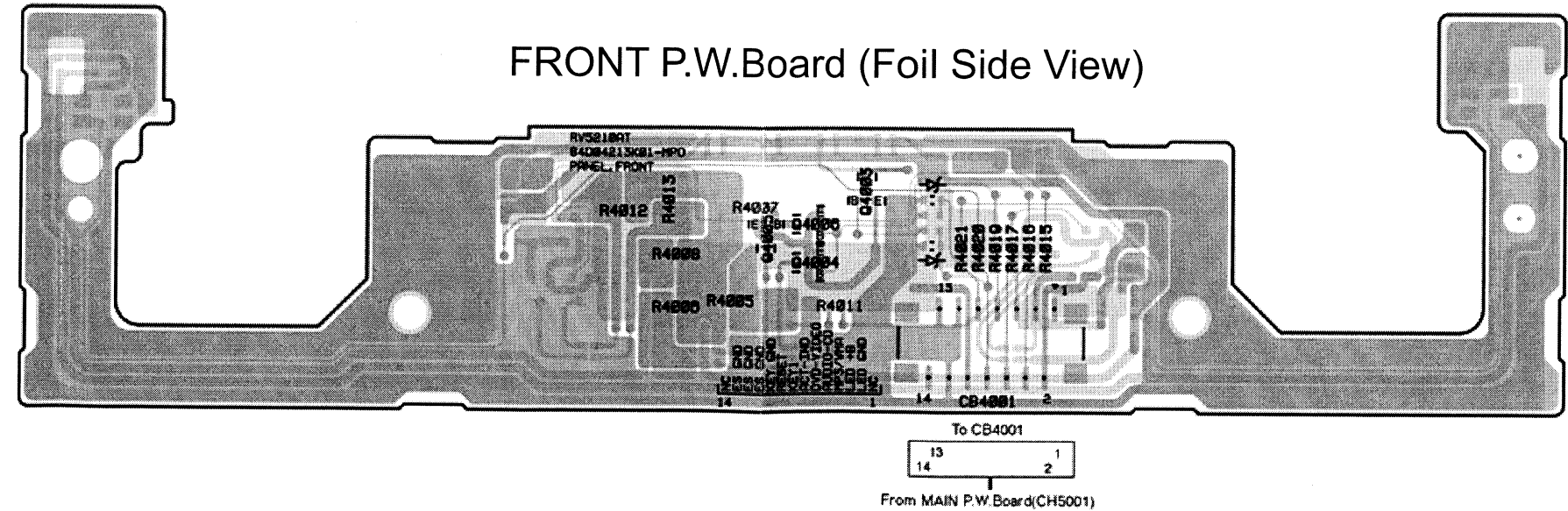
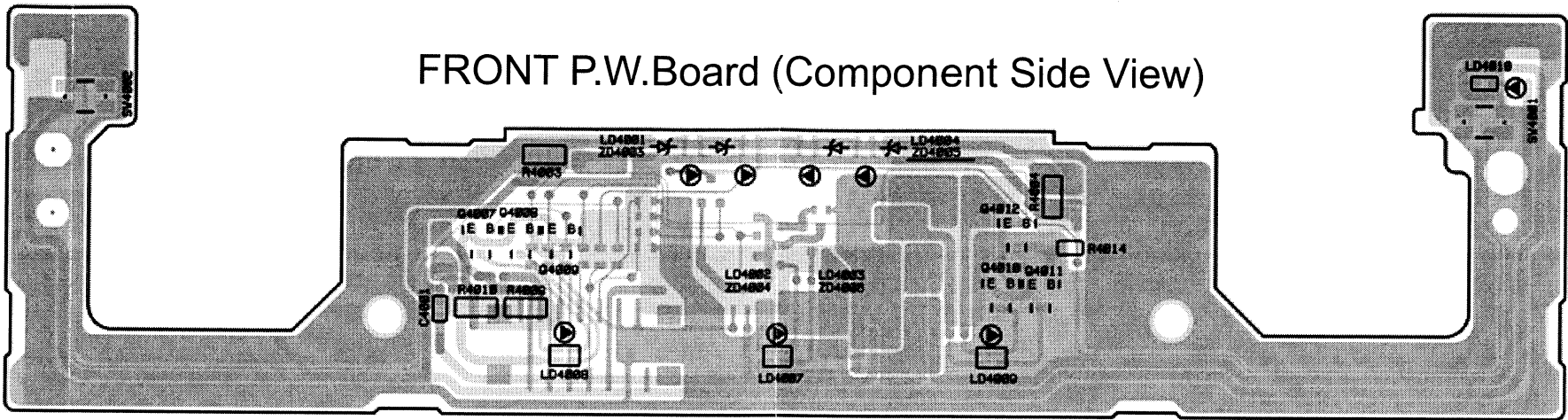


Orange Color Pattern:Component Side Pattern
Blue Color Pattern:Foil Side Pattern

MAIN P.W.Board (Foil Side View)



Orange Color Pattern:Component SidePattern
Blue Color Pattern:Foil Side Pattern



Orange Color Pattern:Component Side Pattern
Blue Color Pattern:Foil Side Pattern

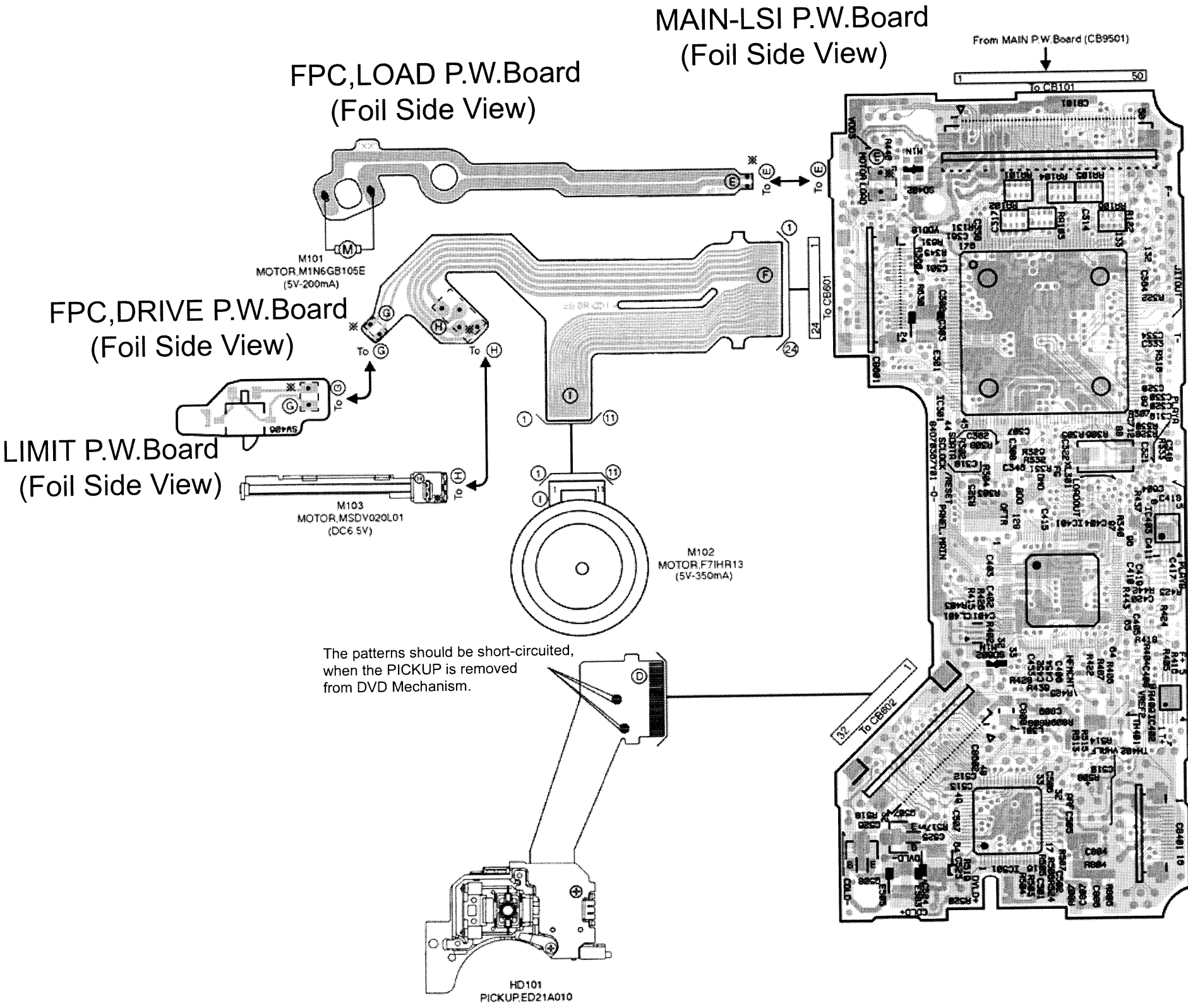
1

2

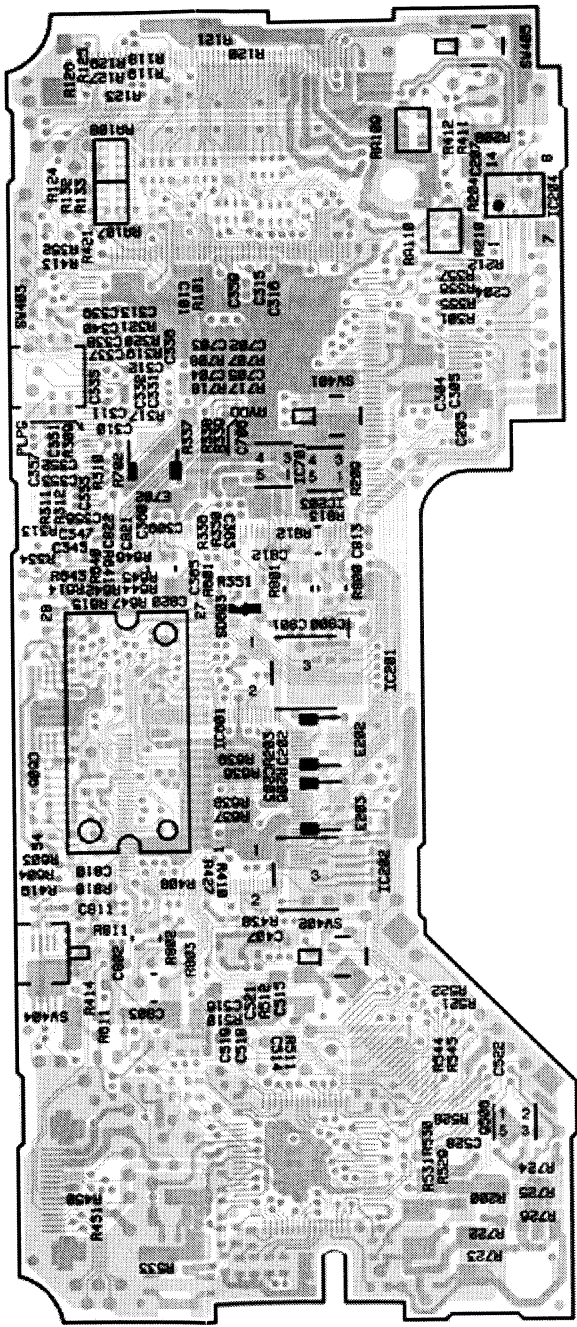
3

4

5



MAIN-LSI P.W.Board (Component Side View)



Orange Color Pattern:Component Side Pattern
Blue Color Pattern:Foil Side Pattern

A

B

C

D

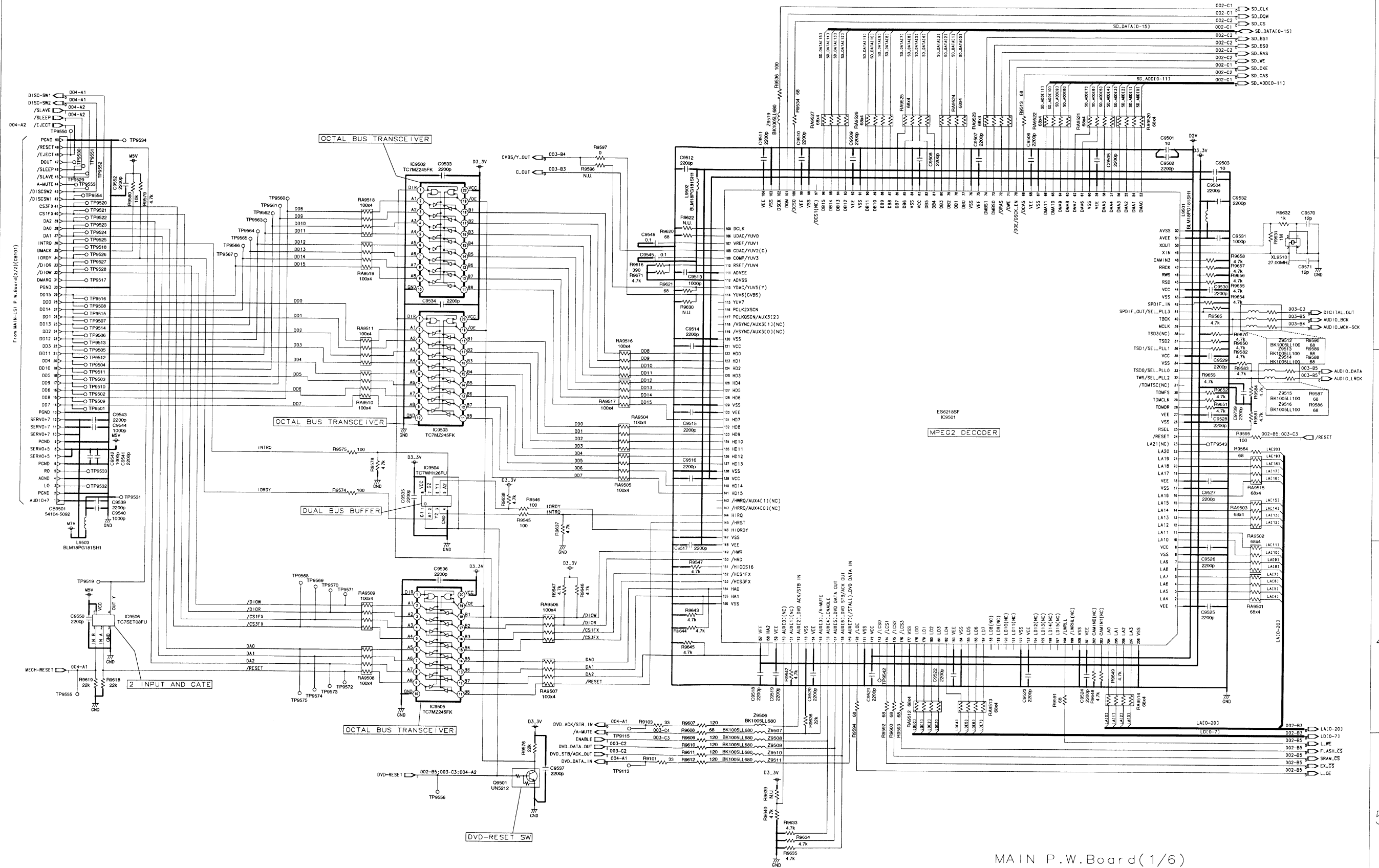
E

F

G

Schematic Diagram(1/9)

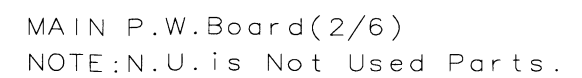
DVA-5210

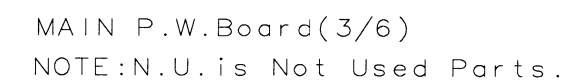


TO P. W. BOARD

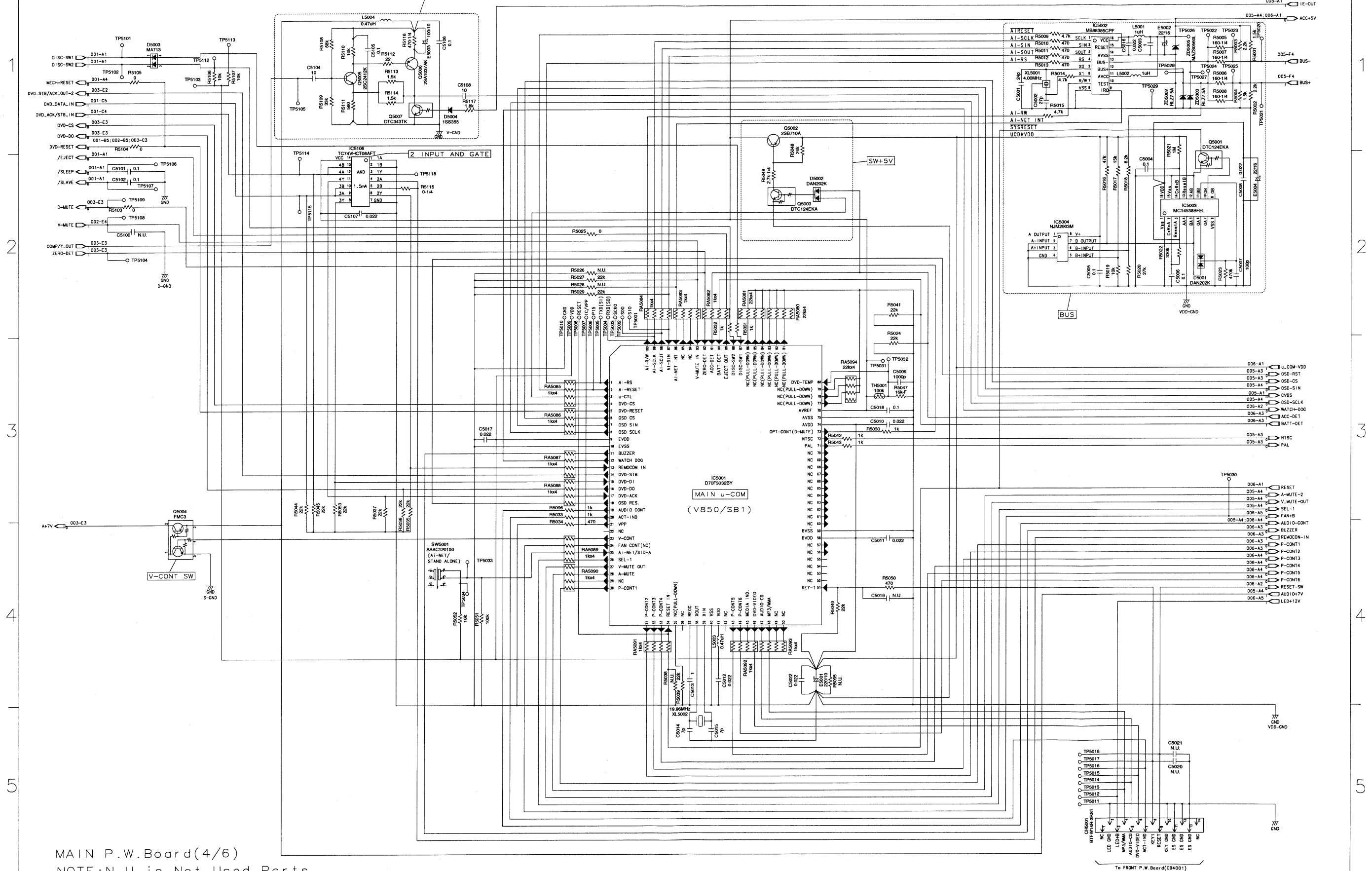
TO PARTS LIST

TO CONTENTS





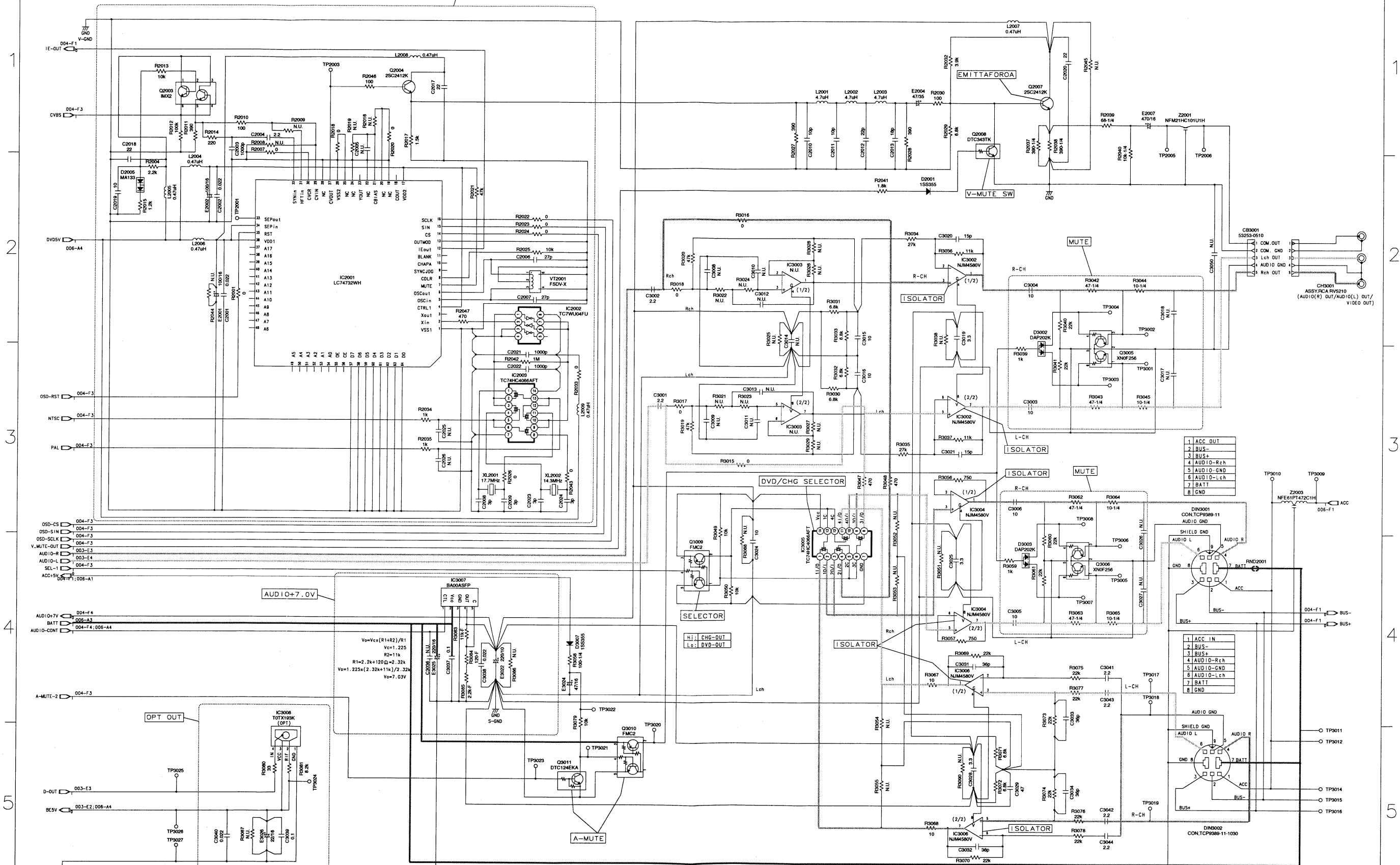
Schematic Diagram(4/9) DVA-5210



MAIN P.W. Board(4/6)
NOTE: N.U. is Not Used Parts.

Schematic Diagram(5/9)

DVA-5210



MAIN P.W. Board(5/6)
NOTE: N.U. is Not Used Parts.

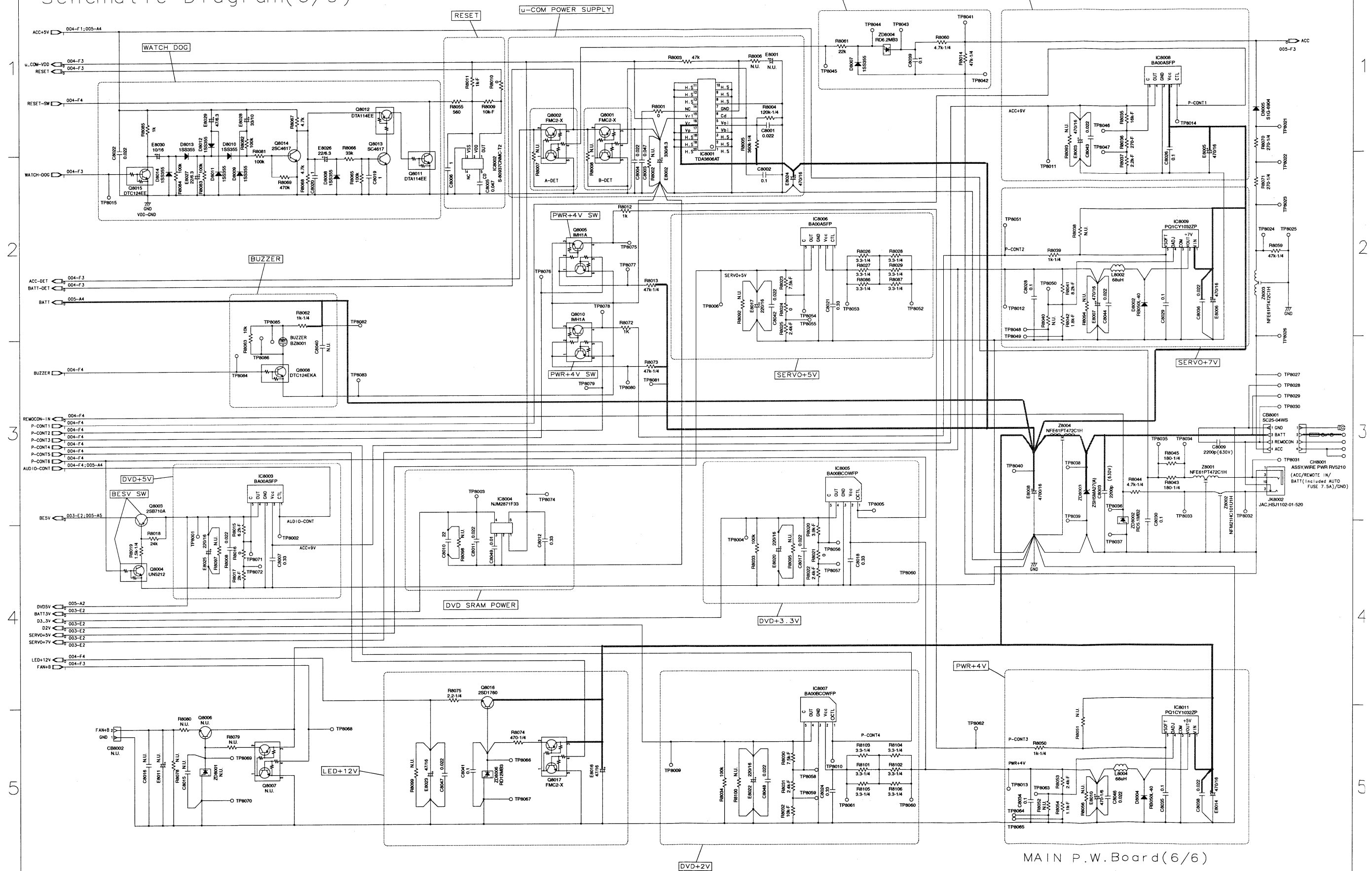
TO P. W. BOARD

TO PARTS LIST

TO CONTENTS

Schematic Diagram(6/9)

DVA-5210



MAIN P.W. Board(6/6)
NOTE:N.U. is Not Used Parts.

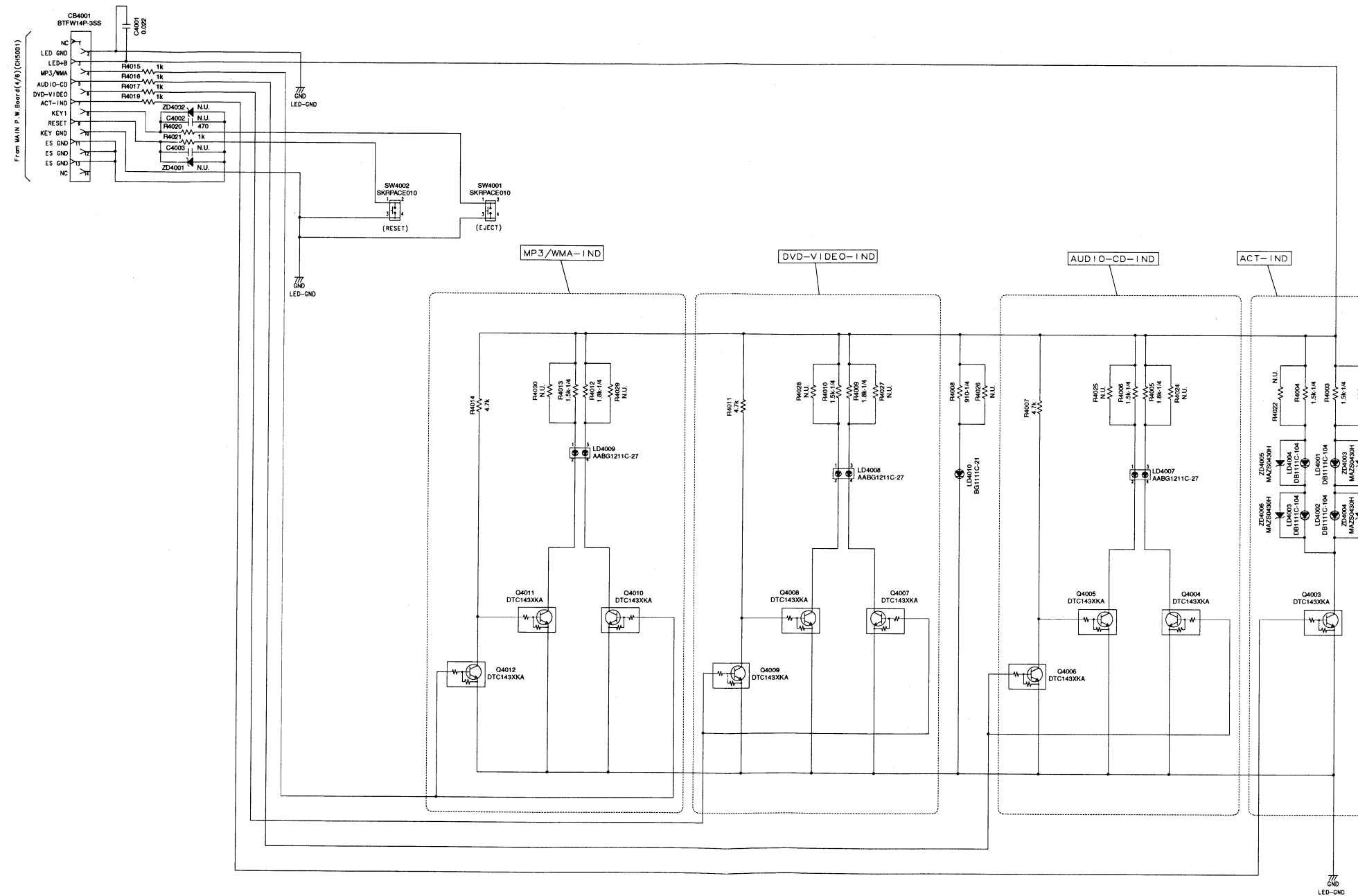
TO P. W. BOARD

TO PARTS LIST

TO CONTENTS

Schematic Diagram(7/9)

DVA-5210

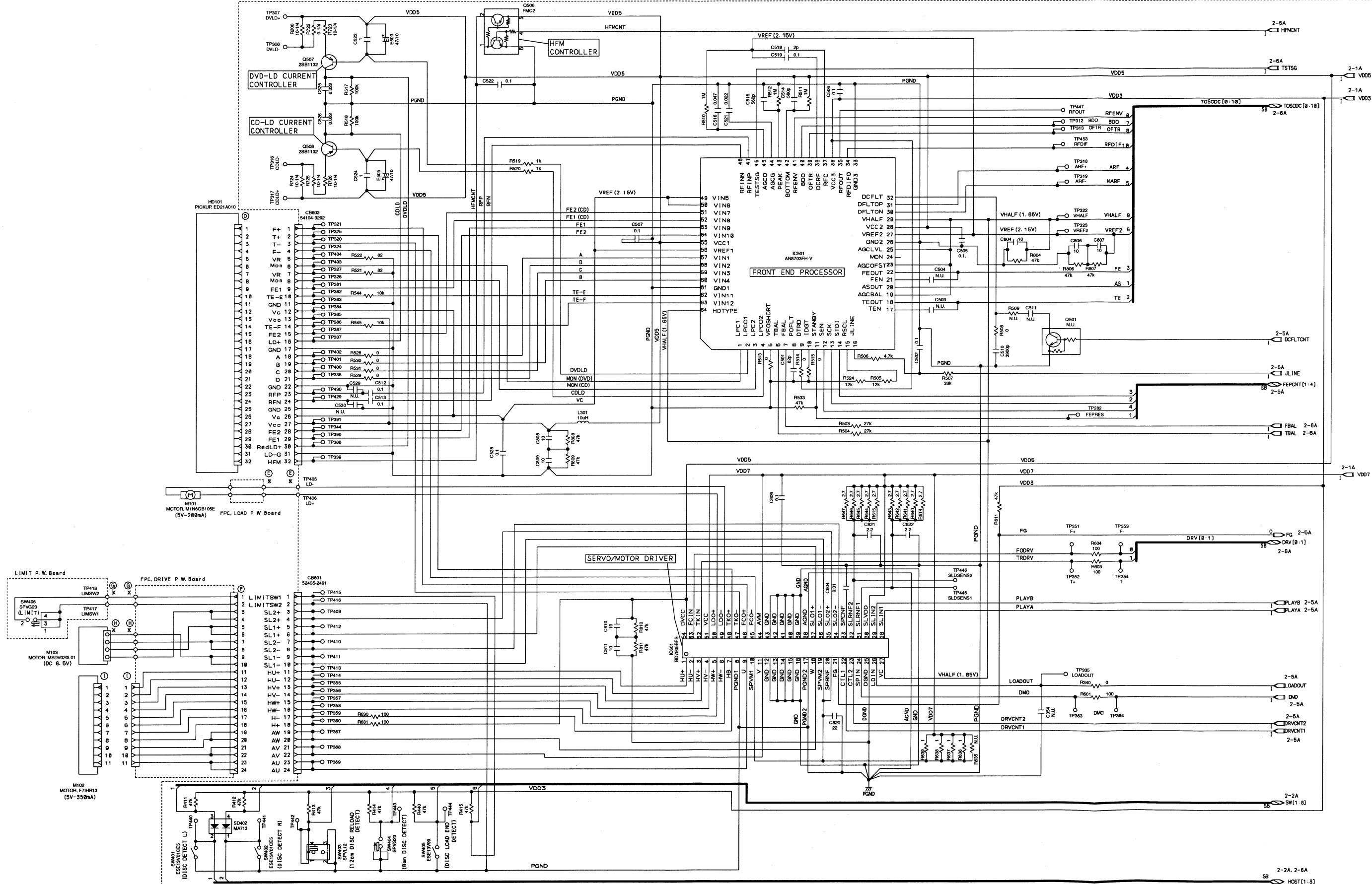


FRONT P.W. Board
NOTE: N.U. is Not Used Parts.

Schematic Diagram (8/9)

DVA-5210

MAIN-LS1 P.W. Board (1/2)



NOTE: N. U. is Not Used Parts.

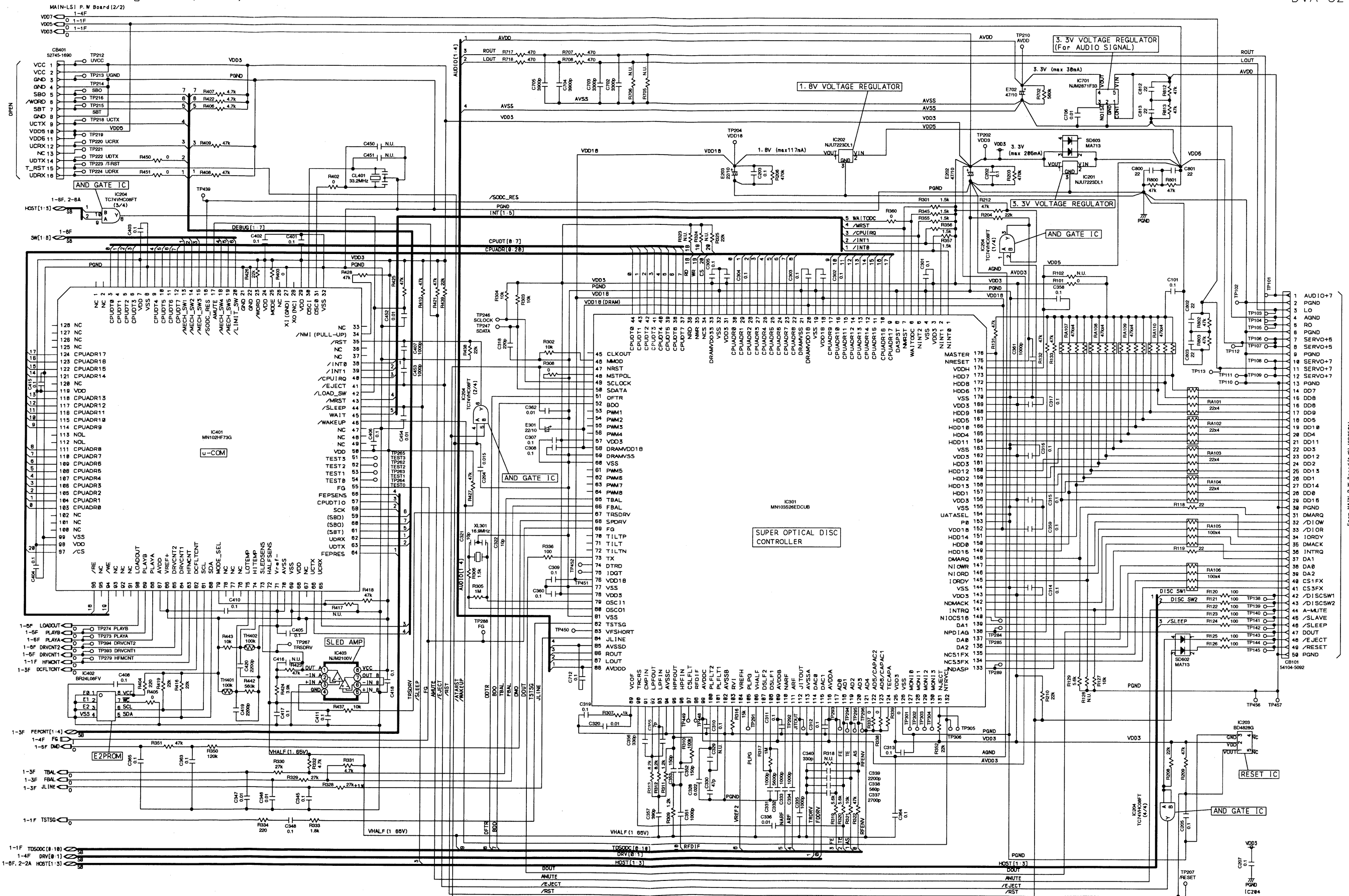
TO P. W. BOARD

TO PARTS LIST

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Schematic Diagram (9/9)

DVA-5210



Terminal Voltage of IC/TR

IC2001									
1	0	17	5.0	33	NC		49	NC	
2	PS	18	NC	34	5		50	NC	
3	NC	19	NC	35	5.0/0	Normal/Reset	51	NC	
4	5	20	NC	36	5		52	NC	
5	PS	21	2.6	37	NC		53	NC	
6	PS	22	NC	38	NC		54	NC	
7	4.8	23	NC	39	NC		55	NC	
8	3.6	24	NC	40	NC		56	NC	
9	NC	25	NC	41	NC		57	0	
10	NC	26	0	42	NC		58	0	
11	NC	27	PS	43	NC		59	0	
12	0	28	NC	44	NC		60	0	
13	0	29	PS	45	NC		61	0	
14	PS	30	0	46	NC		62	0	
15	PS	31	NC	47	NC		63	0	
16	PS	32	PS	48	NC		64	0	

IC2002	
1	1.5
2	PS
3	0
4	0
5	NC
6	PS
7	PS
8	5.0

IC2003			
1	0	8	0
2	2.6	9	PS
3	2.6	10	PS
4	0	11	0
5	0	12	0
6	0	13	0
7	0	14	5.0

IC3002	
1	PS
2	PS
3	PS
4	0
5	PS
6	PS
7	PS
8	7.0

IC3004		
1	PS	AI-NET
2	PS	AI-NET
3	PS	AI-NET
4	0	AI-NET
5	PS	AI-NET
6	PS	AI-NET
7	PS	AI-NET
8	7.0	AI-NET

IC3005			
1	3.6	8	3.5
2	PS	9	3.5
3	PS	10	3.5
4	PS	11	3.5
5	7.0	12	0
6	7	13	0
7	0	14	7.0

IC3006		
1	PS	CHG INPUT
2	PS	CHG INPUT
3	PS	CHG INPUT
4	0	CHG INPUT
5	PS	CHG INPUT
6	PS	CHG INPUT
7	PS	CHG INPUT
8	7.0	CHG INPUT

IC3007	
1	4.6
2	13.5
3	0
4	7.0
5	1.3

IC3008	
1	0
2	5.0
3	2.2
4	PS

IC5001					
1	0/PS	Standalone/Ai-net	51	5.0/0	Normal/EJECT
2	0/5.0	Standalone/Ai-net	52	NC	
3	5		53	NC	
4	PS		54	NC	
5	5		55	NC	
6	PS		56	NC	
7	PS		57	NC	
8	PS		58	5.0	
9	5.0		59	0	
10	0		60	NC	
11	PS/0	BUZZER ON/OFF	61	NC	
12	PS		62	NC	
13	PS/0	REMOTE ON/OFF	63	NC	
14	PS		64	NC	
15	PS		65	NC	
16	PS		66	NC	
17	PS		67	NC	
18	5.0		68	NC	
19	5.0		69	NC	
20	PS		70	NC	
21	0		71	5.0/0	PAL/NTSC
22	NC		72	5.0/0	NTSC/PAL
23	5.0		73	5.0	
24	0		74	5.0	
25	0/5.0	Standalone/Ai-net	75	0	
26	0		76	5.0	
27	0/5.0	Normal/V-MUTE	77	NC	
28	5.0/0	Normal/A-MUTE	78	NC	
29	NC		79	NC	
30	5.0		80	1.0/5.0	Normal/HI-Temp
31	5.1		81	NC	
32	5.2		82	NC	
33	5.3		83	NC	
34	5.0/0	Normal/Reset	84	NC	
35	NC		85	NC	
36	NC		86	NC	
37	3.3		87	5.0	
38	PS		88	5.0	
39	PS		89	5.1	
40	0		90	5.2	
41	5.0		91	5.3	
42	NC		92	5.4	
43	5.0		93	0	
44	5.0		94	NC	
45	0		95	NC	
46	0/5.0	Others / DVD Play	96	0/PS	Standalone/Ai-net
47	0/5.0	Others / CD Play	97	1/PS	Standalone/Ai-net
48	0/5.0	Others / MP3,WMA Play	98	2/PS	Standalone/Ai-net
49	NC		99	3/PS	Standalone/Ai-net
50	NC		100	4/PS	Standalone/Ai-net

IC5002		
1	PS/0	Ai-net/Standalone
2	PS/0	Ai-net/Standalone
3	PS/5.0	Ai-net/Standalone
4	PS/0	Ai-net/Standalone
5	PS/1.8	Ai-net/Standalone
6	PS	Ai-net/Standalone
7	PS/0	Ai-net/Standalone
8	0	Ai-net/Standalone
9	PS/5.0	Ai-net/Standalone
10	0	Ai-net/Standalone
11	5.0	Ai-net/Standalone
12	PS/2.0	Ai-net/Standalone
13	PS/3.0	Ai-net/Standalone
14	0	Ai-net/Standalone
15	5.0/0.6	Ai-net/Standalone
16	5.0	Ai-net/Standalone

IC5003		
1	0	Standalone/Ai-net
2	4.8/PS	Standalone/Ai-net
3	5.0	Standalone/Ai-net
4	0	Standalone/Ai-net
5	4.5/PS	Standalone/Ai-net
6	0/PS	Standalone/Ai-net
7	5.0/PS	Standalone/Ai-net
8	0	Standalone/Ai-net
9	5.0	Standalone/Ai-net
10	0	Standalone/Ai-net
11	4.1/PS	Standalone/Ai-net
12	0	Standalone/Ai-net
13	5.0	Standalone/Ai-net
14	4.5/2.5	Standalone/Ai-net
15	0	Standalone/Ai-net
16	5.0	Standalone/Ai-net

IC5004		
1	0	
2	0	
3	0	
4	0	
5	2.0	
6	1.5/PS	Standalone/Ai-net
7	4.5/PS	Standalone/Ai-net
8	5.0	

IC5106			
1	0	8	PS
2	0	9	PS
3	0	10	PS
4	PS	11	PS
5	PS	12	PS
6	0	13	PS
7	0	14	5.0

IC8001							
1	0	6	2.6	11	0	16	4.98
2	0	7	0	12	0	17	13.5
3	0	8	0	13	NC	18	0
4	2.5	9	0	14	4.96	19	0
5	4.96	10	0	15	4.96	20	0

IC8002		
1	4.96/0	Normal/Reset
2	4.96	
3	0	
4	0	
5	NC	

IC8003	
1	4.6
2	9
3	0
4	5
5	1.3

IC8004	
1	5
2	0
3	1.3
4	3.3
5	5

IC8005	
1	4.6
2	4.0
3	0
4	3.3
5	1.3

IC8006	
1	6.2
2	6.2
3	0
4	5
5	1.3

IC8007	
1	4.8
2	3.3
3	0
4	2.0
5	1.3

IC8008	
1	4.8
2	13.5
3	0
4	9
5	1.2

IC8009	
1	13.5
2	7.0
3	0
4	1.3
5	6.7

IC8011	
1	13.5
2	4
3	0
4	1.3
5	6.7

IC9101	
1	4.2
2	PS
3	PS
4	0
5	PS
6	PS
7	4.2
8	3.3

IC9102	
1	4.2
2	PS
3	PS
4	0
5	4.2
6	PS
7	4.2
8	3.3

IC9103	
1	5.0
2	PS
3	0
4	PS
5	5.0

IC9104	
1	3.3
2	3.3
3	0
4	5.0
5	5.0

IC9201			
1	PS	9	0
2	PS	10	2.5
3	PS	11	3.3
4	0	12	NC
5	3.3	13	5.0
6	5.0	14	PS
7	PS	15	PS
8	PS	16	PS

IC9202	
1	PS
2	PS
3	PS
4	0.04
5	PS
6	PS
7	PS
8	7.0

IC9502			
1	PS	11	PS
2	PS	12	PS
3	PS	13	PS
4	PS	14	PS
5	PS	15	PS
6	PS	16	PS
7	PS	17	PS
8	PS	18	PS
9	PS	19	PS
10	0	20	3.3

IC9503			
1	PS	11	PS
2	PS	12	PS
3	PS	13	PS
4	PS	14	PS
5	PS	15	PS
6	PS	16	PS
7	PS	17	PS
8	PS	18	PS
9	PS	19	PS
10	0	20	3.3

IC9504	
1	4.2
2	5.0
3	PS
4	0
5	PS
6	3.3
7	4.2
8	3.3

IC9505			
1	PS	11	PS
2	PS	12	PS
3	PS	13	PS
4	PS	14	PS
5	PS	15	PS
6	PS	16	PS
7	PS	17	PS
8	PS	18	PS
9	PS	19	PS
10	0	20	3.3

IC9506	
1	4.2
2	3.3
3	0
4	5.0
5	5.0

IC9501								
1	3.3	53	PS	105	0	157	3.3	
2	PS	54	PS	106	0	158	PS	
3	PS	55	PS	107	1.2	159	3.3	
4	PS	56	PS	108	0	160	0	
5	PS	57	PS	109	2.2	161	0	
6	PS	58	PS	110	1.2	162	PS	
7	PS	59	3.3	111	3.3	163	0	
8	0	60	0	112	0	164	3.3	
9	2.0	61	PS	113	0	165	3.3/0	NO MUTE/MUTE
10	PS	62	PS	114	PS	166	PS	
11	PS	63	PS	115	NC	167	PS	
12	PS	64	PS	116	NC	168	PS	
13	PS	65	PS	117	NC	169	PS	
14	PS	66	PS	118	NC	170	PS	
15	PS	67	0	119	NC	171	0	
16	PS	68	3.3	120	0	172	2	
17	0	69	PS	121	2.0	173	NC	
18	3.3	70	3.3	122	PS	174	PS	
19	PS	71	PS	123	PS	175	PS	
20	PS	72	PS	124	PS	176	PS	
21	PS	73	PS	125	PS	177	0	
22	PS	74	PS	126	PS	178	PS	
23	0	75	3.3	127	PS	179	PS	
24	3.3	76	0	128	PS	180	PS	
25	3.3	77	PS	129	0	181	PS	
26	0	78	PS	130	3.3	182	PS	
27	3.3	79	PS	131	PS	183	3.3	
28	0	80	PS	132	PS	184	0	
29	0	81	PS	133	PS	185	PS	
30	0	82	PS	134	PS	186	PS	
31	3.3	83	2	135	PS	187	PS	
32	PS	84	0	136	PS	188	NC	
33	PS	85	PS	137	PS	189	NC	
34	0	86	PS	138	0	190	NC	
35	2.0	87	PS	139	2.0	191	NC	
36	0	88	PS	140	IPS	192	0	
37	0	89	PS	141	PS	193	3.3	
38	0	90	PS	142	NC	194	NC	
39	PS	91	0	143	NC	195	NC	
40	PS	92	3.3	144	PS	196	NC	
41	PS	93	PS	145	3.3	197	NC	
42	0	94	PS	146	PS	198	NC	
43	0	95	PS	147	0	199	NC	
44	2.0	96	PS	148	3.3	200	0	
45	0	97	NC	149	PS	201	3.3	
46	0	98	0	150	PS	202	0	
47	0	99	3.3	151	0	203	0	
48	0	100	PS	152	PS	204	PS	
49	PS	101	PS	153	3.3	205	PS	
50	PS	102	PS	154	PS	206	PS	
51	3.3	103	0	155	PS	207	PS	
52	0	104	3.3	156	0	208	0	

IC9701			
1	3.3	28	0
2	PS	29	PS
3	3.3	30	PS
4	PS	31	PS
5	PS	32	PS
6	0	33	PS
7	PS	34	PS
8	PS	35	PS
9	3.3	36	NC
10	PS	37	3.3
11	PS	38	1.5
12	0	39	0
13	PS	40	0
14	3.3	41	0
15	PS	42	PS
16	PS	43	3.3
17	PS	44	PS
18	PS	45	PS
19	PS	46	0
20	PS	47	PS
21	PS	48	PS
22	PS	49	3.3
23	PS	50	PS
24	PS	51	PS
25	PS	52	0
26	PS	53	PS
27	3.3	54	0

IC9702				
1	PS		25	PS
2	PS		26	PS
3	PS		27	0
4	PS		28	PS
5	PS		29	PS
6	PS		30	NC
7	PS		31	PS
8	PS		32	NC
9	PS		33	PS
10	NC		34	NC
11	PS		35	PS
12	3.3/0	NO RESET/RESET	36	NC
13	NC		37	3.3
14	0.3		38	PS
15	NC		39	NC
16	PS		40	PS
17	PS		41	NC
18	PS		42	PS
19	PS		43	NC
20	PS		44	PS
21	PS		45	PS
22	PS		46	0
23	PS		47	PS
24	PS		48	PS

IC9703							
1	PS	8	PS	15	PS	22	PS
2	PS	9	PS	16	0	23	PS
3	PS	10	PS	17	0	24	PS
4	PS	11	PS	18	PS	25	PS
5	PS	12	PS	19	PS	26	PS
6	PS	13	PS	20	PS	27	3.3
7	3.3	14	PS	21	0	28	PS

IC9704		
1	PS	
2	0/3.3	NO RESET /RESET
3	0	
4	PS	
5	3.3	

IC9705							
1	0	6	NC	11	PS	16	PS
2	NC	7	PS	12	PS	17	PS
3	PS	8	PS	13	PS	18	PS
4	PS	9	NC	14	PS	19	PS
5	NC	10	0	15	PS	20	5

	1	2	3	4	5	6
Q2003	5	2.7	5	3.3	2.6	3.3
Q8005	0.05	0.05	0.04	6.8	4.8	0.04
Q8010	0.05	0.05	0.04	6.8	4.8	0.04

	1	2	3	4	5	
Q3005	PS	0	PS	0.5/9.4	0.5/9.4	Normal/MUTE
Q3006	PS	0	PS	0.5/9.4	0.5/9.4	Normal/MUTE
Q3009	7.1	0	7.1	0	0	
Q3010	14/0	0.5/14	14	0/3.1	0	Normal/MUTE
Q5004	NC	7	7	4.5	0	
Q8001	0	5.0	5.0	5.0	0	
Q8002	0	5.0	5.0	3.5	0	
Q8017	0.05	14	14	4.8	0.04	

	E	C	B	
Q2004	PS	5.0	PS	
Q2007	PS	7.0	PS	
Q2008	0	4.2	0.5	
Q3011	0	0/3.1	4.8/0	Normal/MUTE
Q4003	0.04	PS	PS	
Q4004	0.05	10.2/0.1	0.05/2.9	CD PLAY/Others
Q4005	0.04	0.07/10.2	5.8/0.05	CD PLAY/Others
Q4006	0.04	5.8/0.05	0.04/2.9	CD PLAY/Others
Q4007	0.04	10.7/0.1	0.04/2.9	DVD PLAY/Others
Q4008	0.04	0.08/10.3	5.8/0.06	DVD PLAY/Others
Q4009	0.04	5.8/0.06	0.04/2.9	DVD PLAY/Others
Q4010	0.05	10.2/0.1	0.05/2.9	MP3 WMA PLAY/Others
Q4011	0.04	0.08/10.2	5.8/0.0	MP3 WMA PLAY/Others
Q4012	0.04	5.8/0.05	0.04/2.9	
Q5001	0	5.0	0	
Q5002	5	4.9	4.3	
Q5003	0.05	0.06	4.5	
Q5005	1.7	PS	PS	
Q5006	5.7	PS	PS	
Q5007	0	PS	0.3	
Q8003	5.0	5.0	4.3	
Q8004	0	0	4.6	
Q8008	PS	PS	0.05	
Q8011	5.0	0.04	0.04	
Q8012	0.13	0.04	0.13	
Q8013	0.04	0.13	0	
Q8014	0.04	0.13	0.65	
Q8015	0.04	2.4	2.4	
Q8016	12.0	14.0	12.5	
Q9501	0.05/0	0.05/3.3	4.2/0	Normal/Reset
Q9701	0.05	0.04/3.3	4.2/0	Normal/Reset
Q9801	1.4	0.05	0.6	

[Measuring Conditions]

- | | |
|-----------------------------|-----------------------|
| 1.Power Supply Voltage | : DC13V |
| 2.Measuring Meter | : Digital Multi Meter |
| 3.Measuring Point Reference | : Between GND |
| 4.Measuring Condition | : TEST DISC PLAY |

(DVD Deck Mechanism)

NOTE : DATA, ADDRESS, DIGITAL, PWM : Low/High switching Digital Signal by 0V/3.3V

ANALOG : usually changing Signal

RF : High-frequency RF Signal

IC201	
1	3.3
2	4.83
3	0

IC202	
1	1.81
2	4.83
3	0

IC203	
1	3.15
2	3.3
3	0

IC204	
1	DIGITAL
2	DIGITAL
3	DIGITAL
4	DIGITAL
5	DIGITAL
6	DIGITAL
7	0
8	DIGITAL
9	DIGITAL
10	DIGITAL
11	DIGITAL
12	DIGITAL
13	DIGITAL
14	3.3

IC301							
1	3.3	45	CLOCK	89	0	133	3.29
2	3.28	46	0	90	1.63	134	3.27
3	3.3	47	3.15	91	1.64	135	3.27
4	0	48	0	92	ANALOG	136	ADDRESS
5	3.3	49	CLOCK	93	ANALOG	137	ADDRESS
6	3.3	50	DATA	94	ANALOG	138	3.29
7	3.3	51	0	95	ANALOG	139	ADDRESS
8	0	52	0	96	ANALOG	140	DATA
9	ADDRESS	53	PWM	97	1.16	141	0
10	ADDRESS	54	PWM	98	1.63	142	3.27
11	ADDRESS	55	PWM	99	3.29	143	3.3
12	ADDRESS	56	PWM	100	1.25	144	0
13	ADDRESS	57	3.3	101	1.25	145	3.27
14	ADDRESS	58	1.8	102	0	146	3.27
15	ADDRESS	59	0	103	1.44	147	3.27
16	ADDRESS	60	0	104	2.14	148	0
17	ADDRESS	61	PWM	105	2.82	149	DATA
18	1.8	62	PWM	106	1.65	150	DATA
19	0	63	PWM	107	1.62	151	DATA
20	1.8	64	PWM	108	1.5	152	1.81
21	0	65	DIGITAL	109	3.3	153	0
22	ADDRESS	66	DIGITAL	110	RF	154	0
23	ADDRESS	67	DIGITAL	111	RF	155	0
24	ADDRESS	68	DIGITAL	112	2.16	156	3.3
25	ADDRESS	69	FG	113	0	157	DATA
26	ADDRESS	70	DIGITAL	114	ANALOG	158	DATA
27	ADDRESS	71	DIGITAL	115	ANALOG	159	DATA
28	ADDRESS	72	DIGITAL	116	3.3	160	DATA
29	ADDRESS	73	0	117	ANALOG	161	DATA
30	ADDRESS	74	3.3	118	ANALOG	162	3.3
31	3.3	75	0	119	ANALOG	163	0
32	0	76	1.8	120	ANALOG	164	DATA
33	3.3	77	0	121	ANALOG	165	DATA
34	3.29	78	3.3	122	ANALOG	166	DATA
35	3.3	79	CLOCK	123	ANALOG	167	DATA
36	3.29	80	CLOCK	124	ANALOG	168	DATA
37	DATA	81	0	125	3.3	169	3.3
38	DATA	82	0	126	0	170	0
39	DATA	83	0	127	0	171	DATA
40	DATA	84	DIGITAL	128	0	172	DATA
41	DATA	85	0	129	0	173	DATA
42	DATA	86	1.72	130	0	174	4.85
43	DATA	87	1.68	131	3.28	175	3.3
44	DATA	88	3.37	132	3.29	176	3.25

IC401							
1	-	33	-	65	0	97	3.29
2	-	34	3.28	66	3.3	98	3.29
3	DATA	35	3.29	67	-	99	0
4	DATA	36	-	68	3.29	100	-
5	DATA	37	-	69	0	101	-
6	DATA	38	3.3	70	0	102	-
7	3.29	39	0	71	0	103	ADDRESS
8	0	40	0	72	1.65	104	ADDRESS
9	DATA	41	3.3	73	1.71	105	ADDRESS
10	DATA	42	3.3	74	2.8	106	ADDRESS
11	DATA	43	3.3	75	2.99	107	ADDRESS
12	DATA	44	3.3.6	76	-	108	ADDRESS
13	SW	45	3.3	77	-	109	ADDRESS
14	SW	46	3.3	78	-	110	ADDRESS
15	SW	47	-	79	3.28	111	ADDRESS
16	3.29	48	-	80	3.23	112	-
17	3.27	49	-	81	3.22	113	-
18	SW	50	3.3	82	0	114	ADDRESS
19	SW	51	0	83	3.28	115	ADDRESS
20	SW	52	0	84	3.28	116	ADDRESS
21	0	53	0	85	3.29	117	ADDRESS
22	0	54	0	86	3.29	118	ADDRESS
23	3.28	55	FG	87	3.29	119	3.29
24	3.23	56	3.3	88	1.64	120	-
25	3.22	57	3.3	89	1.64	121	ADDRESS
26	0	58	3.3	90	1.64	122	ADDRESS
27	0	59	3.3	91	-	123	ADDRESS
28	0	60	3.3	92	-	124	ADDRESS
29	3.29	61	3.3	93	-	125	-
30	CLOCK	62	0	94	1.64	126	-
31	CLOCK	63	3.3	95	-	127	-
32	0	64	3.28	96	3.29	128	-

IC402	
1	0
2	0
3	0
4	0
5	3.23
6	3.22
7	0
8	3.29

IC403	
1	1.37
2	1.63
3	1.63
4	0
5	1.64
6	1.64
7	1.64
8	3.29

IC501							
1	ANALOG	17	ANALOG	33	0	49	RF
2	3.45	18	ANALOG	34	2.07	50	RF
3	ANALOG	19	DIGITAL	35	ANALOG	51	RF
4	3.19	20	2.1	36	3.29	52	RF
5	DIGITAL	21	ANALOG	37	ANALOG	53	RF
6	ANALOG	22	ANALOG	38	ANALOG	54	RF
7	ANALOG	23	DIGITAL	39	ANALOG	55	4.85
8	DIGITAL	24	-	40	ANALOG	56	2.19
9	DIGITAL	25	DIGITAL	41	ANALOG	57	RF
10	DIGITAL	26	0	42	ANALOG	58	RF
11	DIGITAL	27	2.14	43	ANALOG	59	RF
12	DIGITAL	28	4.85	44	ANALOG	60	RF
13	DIGITAL	29	1.64	45	ANALOG	61	0
14	DIGITAL	30	RF	46	ANALOG	62	RF
15	1.17	31	RF	47	ANALOG	63	RF
16	1.64	32	2.16	48	ANALOG	64	DIGITAL

IC601			
1	3.06	28	1.68
2	3.06	29	1.65
3	3.08	30	6.87
4	3.08	31	6.87
5	3.08	32	6.87
6	3.08	33	ANALOG
7	1.26	34	ANALOG
8	0	35	ANALOG
9	3.05	36	ANALOG
10	6.86	37	ANALOG
11	3.05	38	0
12	0	39	0
13	0	40	0
14	0	41	0
15	0	42	0
16	0	43	0
17	0	44	6.87
18	3.05	45	ANALOG
19	6.85	46	ANALOG
20	6.85	47	ANALOG
21	FG	48	ANALOG
22	3.28	49	ANALOG
23	3.28	50	ANALOG
24	1.69	51	6.87
25	0	52	ANALOG
26	1.64	53	ANALOG
27	1.64	54	4.86

IC701	
1	6.97
2	0
3	1.33
4	3.37
5	6.97

Q506	
1	NC
2	4.69
3	4.81
4	3.27
5	0

Q507	
B	3.56
C	2.33
E	4.2

Q508	
B	3.3
C	1.98
E	3.95

[Measuring Conditions]

- | | |
|------------------------------|---|
| 1. Power Supply Voltage | : MECH-7V, MECH-5V power supply |
| 2. Measuring Meter | : Digital Multi Meter |
| 3. Measuring Point Reference | : Between GND |
| 4. Measuring Condition | : playing DVD, measuring of DVD-MECH simple substance |

Description of IC Terminal

D70F3032BY : IC5001

No.	Symbol	I/O	Terminal Description
1	AI-RS	O	RS (register selection) output terminal for AI-NET BUS-IC.
2	AI-RESET	O	RESET output terminal for AI-NET BUS-IC.
3	u-CTL	O	Power supply output control terminal for ACC+5V.
4	DVD-CS	O	CS (tip select) output terminal for DVD BE.
5	DVD-RESET	O	RESET output terminal for DVD BE.
6	OSD CS	O	CS (tip selection) output terminal for OSD IC.
7	OSD SIN	O	Data output terminal for OSD IC.
8	OSD SCLK	O	Serial clock output terminal for OSD IC.
9	EVDD	-	VDD connect terminal.
10	EVSS	-	GND connect terminal.
11	BUZZER	O	Buzzer control output terminal.
12	WATCH DOG	O	WATCH DOG circuit output terminal.
13	REMOCOM IN	I	Outside remote control data input terminal.
14	DVD-STB	O	Standby control output terminal for DVD BE.
15	DVD-DI	I	Data input signal terminal for DVD BE.
16	DVD-DO	O	Data output terminal for DVD BE.
17	DVD-ACK	I	Data effective / invalid input terminal for DVD BE..
18	OSD RES.	O	RESET output terminal for OSD IC.
19	AUDIO CONT	O	Power supply output control terminal for AUDIO.
20	ACT-IND	O	ACTION LED control output terminal.
21	VPP(NC)	-	No connect terminal.
22	NC	-	No connect terminal.
23	V-CONT	O	Power supply output control terminal for VIDEO.
24	FAN CONT(NC)	-	No connect terminal.
25	AI-NET/STD-A	I	AI-NET connection / stand-alone switching terminal.
26	SEL-1	O	AI-NET AUDIO line switching output terminal.
27	V-MUTE OUT	O	MUTE output control terminal for VIDEO.
28	A-MUTE	O	MUTE output control terminal for AUDIO.
29	NC	-	No connect terminal.
30	P-CONT1	O	Main power supply output control terminal for DVD BE.
31	P-CONT2	O	Power supply output control terminal for DVD mechanisms.
32	P-CONT3	O	4V power supply output control signal terminal for DVD BE.
33	P-CONT4	O	2V power supply output control terminal for DVD BE.
34	RESET IN	I	u-COM RESET input terminal.
35	NC(PULL-DOWN)	-	Pull-down connect terminal.
36	NC	-	No connect terminal.
37	REGC	-	Power supply control terminal for u-COM.
38	XOUT	-	Crystal connection terminal for main frequency.
39	XIN	-	Crystal connection terminal for main frequency.
40	VSS	-	GND connect terminal.
41	VDD	-	VDD connect terminal.
42	NC	-	No connect terminal.
43	P-CONT5	O	Power supply output control terminal for LED.
44	P-CONT6	O	Digital power supply output control terminal for DVD BE.
45	MEDIA IND.	O	LED output control terminal for Media.

No.	Symbol	I/O	Terminal Description
46	DVD-VIDEO	O	LED output control terminal for DVD-VIDEO.
47	AUDIO-CD	O	LED output control terminal for AUDIO-CD.
48	MP3/WMA	O	LED output control terminal for MP3/WMA.
49	NC	-	No connect terminal.
50		-	No connect terminal.
51	KEY-1	I	Hard key input terminal.
52	NC	-	No connect terminal.
53		-	No connect terminal.
54		-	No connect terminal.
55	BVDD	-	VDD connect terminal.
56	BVSS	-	GND connect terminal.
57	NC	-	No connect terminal.
58		-	No connect terminal.
59		-	No connect terminal.
60	PAL	O	PAL output selection output terminal.
61	NTSC	O	NTSC output selection output terminal.
62	OPT-CONT(D-MUTE)	O	MUTE control output terminal for an optical output.
63	AVDD	-	VDD connect terminal.
64	AVSS	-	GND connect terminal.
65	AVREF	-	VDD connect terminal.
66	NC(PULL-DOWN)	-	Pull-down connect terminal.
67		-	
68		-	
69	DVD-TEMP	I	HI-TEMP detection input terminal for DVD mechanisms.
70	NC(PULL-DOWN)	-	Pull-down connect terminal.
71		-	
72		-	
73	DISC-SW1	I	Media insertion distinction input terminal.
74	DISC-SW2	I	Media insertion distinction input terminal.
75	EJECT OUT	O	Media EJECT control output terminal.
76	BATT-DET	I	BATT input detection terminal.
77	ACC-DET	I	ACC input detection terminal.
78	ZERO-DET	I	Audio 0 BIT-MUTE input detection terminal.
79	V-MUTE IN	I	MUTE input detection terminal for a VIDEO output.
80	NC	-	No connect terminal.
81		-	No connect terminal.
82	AI-NET INT	I	Interruption input detection terminal for AI-NET BUS-IC.
83	AI-SIN	I	Serial data input terminal for AI-NET BUS-IC.
84	AI-SOUT	O	Serial data output terminal for AI-NET BUS-IC.
85	AI-SCLK	O	Data clock output terminal for AI-NET BUS-IC.
86	AI-R/W	O	Reading/Writing control signal terminal for AI-NET BUS-IC.

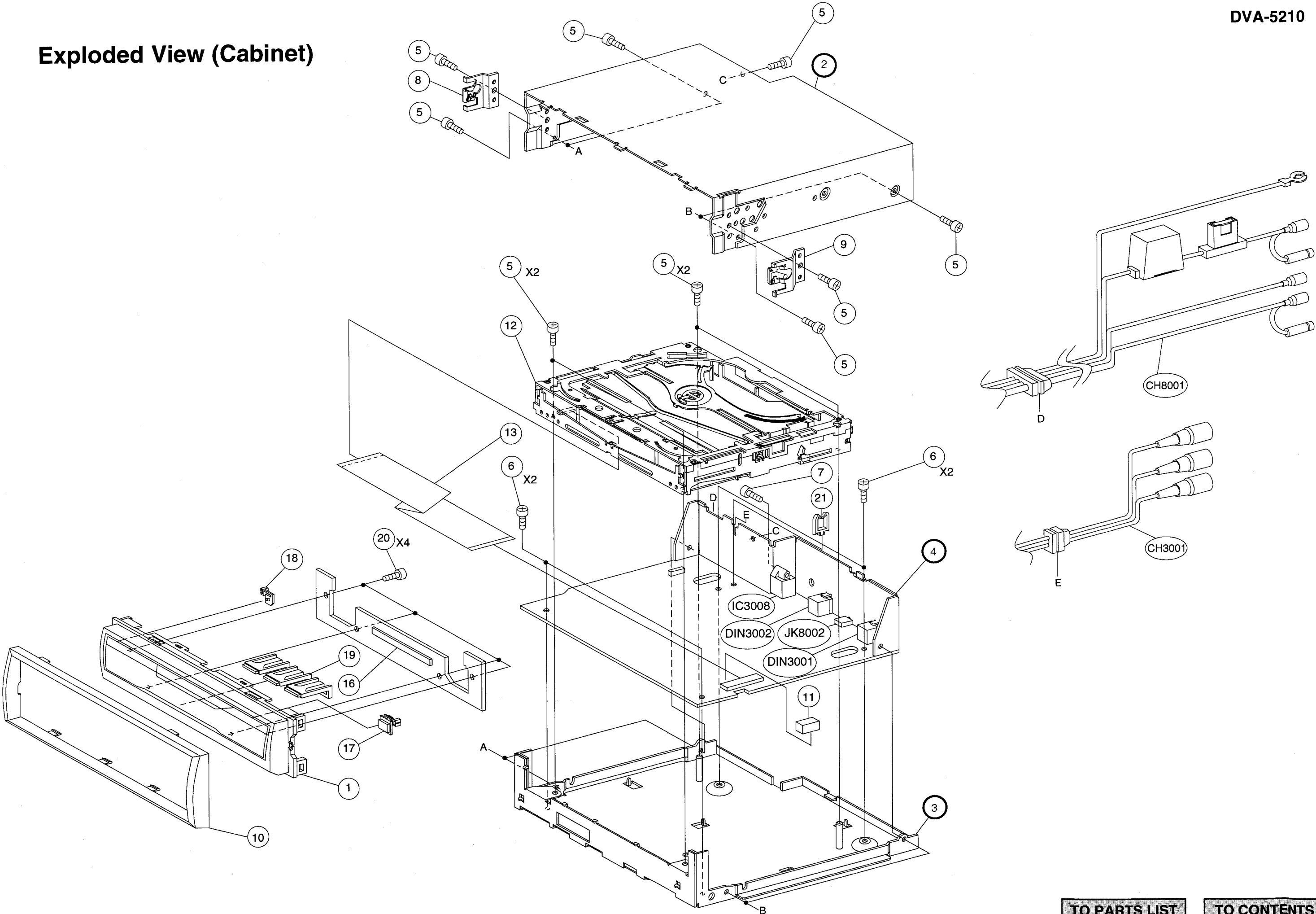
MN102H73G : IC401 (DV33M01B)

No.	Symbol	I/O	Terminal Description
1	NC	-	No connect terminal.
2			
3	CPUDT0	I/O	Data input/output-0 terminal.
4	CPUDT1	I/O	Data input/output-1 terminal.
5	CPUDT2	I/O	Data input/output-2 terminal.
6	CPUDT3	I/O	Data input/output-3 terminal.
7	VDD	-	Power supply terminal.
8	VSS	-	GND potential supply terminal.
9	CPUDT4	I/O	Data input/output-4 terminal.
10	CPUDT5	I/O	Data input/output-5 terminal.
11	CPUDT6	I/O	Data input/output-6 terminal.
12	CPUDT7	I/O	Data input/output-7 terminal.
13	/MECH_SW1	I	Mechanism SW-1 input signal LEFT detection terminal.
14	/MECH_SW2	I	Mechanism SW-2 input signal RIGHT detection terminal.
15	/MECH_SW3	I	Mechanism SW-3 input signal 12cm-RELOAD detection terminal.
16	/SODC_RES	O	MN103S26E N-RESET signal terminal
17	AMUTE	O	Audio MUTE signal terminal.
18	/MECH_SW4	I	Mechanism SW-4 input signal 8cm-RELOAD detection terminal.
19	/MECH_SW5	I	Mechanism SW-5 input signal LOAD END detection terminal.
20	/LIMIT_SW	I	LIMIT SW input signal SLED maximum inner LIMIT detection terminal.
21	GND	-	GND connect terminal.
22			
23	/WORD	I	Data BUS width set up input terminal. (using 8bit Processor Mode)
24	VDD	-	Power supply terminal.
25	MODE	I	Mode set up input terminal. (using 8bit Processor Mode)
26	NC	-	No connect terminal.
27	XI(GND)	-	Low-speed OSC input terminal. (not used, connected VSS, not dealed SOFT)
28	XO(NC)	-	Low-speed OSC output terminal. (not used, OPEN, not dealed SOFT)
29	VDD	-	Power supply terminal.
30	OSCI	I	High-speed OSC input terminal.
31	OSCO	O	High-speed OSC output terminal.
32	VSS	-	GND potential supply terminal.
33	NC	-	No connect terminal.
34	/NMI(PULL-UP)	-	Pull-up connect terminal.
35	/RST	I	HARD RESET input terminal from power supply/HOST.
36	NC	-	No connect terminal.
37			
38	/INT0	I	MN103S26E /INT0 signal terminal.
39	/INT1	I	MN103S26E /INT1 signal terminal.
40	/CPUIRQ	I	MN103S26E /CPUIRQ signal terminal.
41	/EJECT	I	Eject key terminal. (using interrupt at Stand-by)
42	/LOAD_SW	I	OR Signal input terminal of Mechanism SW-1/SW-2. (using interrupt at STAND-BY)
43	/MRST	I	NM103S26E N-MRST input terminal.
44	/SLEEP	I	SLEEP Mode signal input terminal from HOST.
45	WAIT	I	MN103S26E N-RESET/WAIT signal input terminal.
46	/WAKEUP	O	MN103S26E STAND-BY cancellation signal terminal by NTRYCL signal.

No.	Symbol	I/O	Terminal Description
47	NC	-	No connect terminal.
48			
49			
50	VDD	-	Power supply terminal.
51	TEST3	O	TEST terminal.
52	TEST2		
53	TEST1		
54	TEST0		
55	FG	O	FG signal input terminal.
56	FEPSENS	O	AN8709 SENSE signal terminal.
57	CPUDTIO	O	AN8709 CPUDTIN signal terminal.
58	SCK	O	AN8709 SCK signal terminal.
59	(SBD)	I	YDC Flash writer SBD signal terminal.
60	(SBO)	I	YDC Flash writer SBO signal terminal.
61	(SBT)	I	YDC Flash writer SBT signal terminal.
62	UDRX	I	UART receiving signal terminal. (DEBUG side : not used)
63	UDTX	O	UART transmitting signal terminal. (DEBUG side)
64	FEPRES	O	AN8709 RESET signal terminal.
65	UCRX	I	UART receiving signal terminal. (COMMAND side)
66	UCTX	O	UART transmitting signal terminal. (COMMAND side)
67	NC	-	No connect terminal.
68	VDD	-	Power supply terminal.
69	VSS	-	GND potential supply terminal.
70	AVSS	-	ANALOG GND potential supply terminal.
71	Vref-	-	ANALOG standard (-) voltage terminal.
72	HALFSENS	I	VHALF power supply terminal.
73	SLEDSSENS	I	SLED control signal input terminal.
74	HITEMP	I	High-temperature signal input terminal.
75	LOTEMP	I	Low-temperature signal input terminal.
76	NC	-	No connect terminal.
77			
78			
79	MODE_SEL	I	Discrimination input terminal of correspondence both 8cm Disc and CD (connected pull-up)/or not (connected pull-down).
80	SDA	I/O	E2P-ROM SDA signal terminal.
81	SCL	O	E2P-ROM SCL signal terminal.
82	DCFLTCNT	O	FEP filter switching terminal.
83	HFCNT	O	High-frequency upon another control output terminal. (connected pull-down)
84	DRVCNT1	O	Driver logic control output-1 terminal. (connected pull-down by internal IC)
85	DRVCNT2	O	Driver logic control output-2 terminal. (connected pull-down by internal IC)
86	VREF+	-	Analog standard (+) voltage terminal.
87	AVDD	-	Analog power supply terminal.
88	PLAYA	O	SLED-2 driving control D/A output-A terminal.
89	PLAYB	O	4 SLED-2 driving control D/A output-B terminal.
90	LOADOUT	O	LOAD MOTOR control D/A output terminal.
91	NC	-	No connect terminal.
92			
93			

No.	Symbol	I/O	Terminal Description
94	/WE	O	MN103S26E WRITE ENABLE output terminal.
95	NC	-	No connect terminal.
96	/RE	O	MN103S26E READ ENABLE output terminal.
97	/CS	O	MN103S26E CHIP SELECT output terminal.
98	VDD	-	Power supply terminal.
99	VSS	-	GND potential supply terminal.
100	NC	-	No connect terminal.
101			
102			
103	CPUADR0	O	Address output-0 terminal.
104	CPUADR1	O	Address output-1 terminal.
105	CPUADR2	O	Address output-2 terminal.
106	CPUADR3	O	Address output-3 terminal.
107	CPUADR4	O	Address output-4 terminal.
108	CPUADR5	O	Address output-5 terminal.
109	CPUADR6	O	Address output-6 terminal.
110	CPUADR7	O	Address output-7 terminal.
111	CPUADR8	O	Address output-8 terminal.
112	NC	-	No connect terminal.
113			
114	CPUADR9	O	Address output-9 terminal.
115	CPUADR10	O	Address output-10 terminal.
116	CPUADR11	O	Address output-11 terminal.
117	CPUADR12	O	Address output-12 terminal.
118	CPUADR13	O	Address output-13 terminal.
119	VDD	-	Power supply terminal.
120	NC	-	No connect terminal.
121	CPUADR14	O	Address output-14 terminal.
122	CPUADR15	O	Address output-15 terminal.
123	CPUADR16	O	Address output-16 terminal.
124	CPUADR17	O	Address output-17 terminal.
125	NC	-	No connect terminal.
126			
127			

Exploded View (Cabinet)



TO PARTS LIST

TO CONTENTS

Electrical Parts List

* Each parts on P.W.Board are described in order of the reference number.

=====MAIN P.W.Board

BZ8001	50T15447Y02	BUZZER,PKM13EPY -R5
C2001	08S45676W80	CAP,CER 223K-B1E -CP
C2002	08S45676W80	CAP,CER 223K-B1E -CP
C2003	08S45677W60	CAP,CER 102J-CH1H-CP
C2004	08S65674Y03	CAP,CER 225KX5R1A-CP
C2006	08S45677W22	CAP,CER.27RJ-CH1H-CP
C2007	08S45677W22	CAP,CER.27RJ-CH1H-CP
C2008	08S45677W05	CAP,CER.3R0C-CH1H-CP
C2009	08S45677W05	CAP,CER.3R0C-CH1H-CP
C2010	08S45677W12	CAP,CER.10RD-CH1H-CP
C2011	08S45677W12	CAP,CER.10RD-CH1H-CP
C2012	08S45677W20	CAP,CER.22RJ-CH1H-CP
C2013	08S45677W18	CAP,CER.18RJ-CH1H-CP
C2017	08S65671Y01	CAP,CER 226KX5R1A-CP
C2018	08S65671Y01	CAP,CER 226KX5R1A-CP
C2019	08S65670Y01	CAP,CER 106KX5R1C-CP
C2020	08S65671Y01	CAP,CER 226KX5R1A-CP
C2021	08S45677W60	CAP,CER 102J-CH1H-CP
C2022	08S45677W60	CAP,CER 102J-CH1H-CP
C2023	08S45677W05	CAP,CER.3R0C-CH1H-CP
C2024	08S45677W05	CAP,CER.3R0C-CH1H-CP
C3001	08S65670Y02	CAP,CER 225KX5R1E-CP
C3002	08S65670Y02	CAP,CER 225KX5R1E-CP
C3003	08S65670Y01	CAP,CER 106KX5R1C-CP
C3004	08S65670Y01	CAP,CER 106KX5R1C-CP
C3005	08S65670Y01	CAP,CER 106KX5R1C-CP
C3006	08S65670Y01	CAP,CER 106KX5R1C-CP
C3015	08S65670Y01	CAP,CER 106KX5R1C-CP
C3016	08S65670Y01	CAP,CER 106KX5R1C-CP
C3019	08S65670Y03	CAP,CER 335KX5R1E-CP
C3020	08S45677W16	CAP,CER.15RJ-CH1H-CP
C3021	08S45677W16	CAP,CER.15RJ-CH1H-CP
C3024	08S65670Y01	CAP,CER 106KX5R1C-CP
C3025	08S65670Y03	CAP,CER 335KX5R1E-CP
C3028	08S65670Y03	CAP,CER 335KX5R1E-CP
C3029	08T65231Y02	CAP,CER 476M-BJ0J-CP
C3031	08S45677W25	CAP,CER 36RJ-CH1H-CP
C3032	08S45677W25	CAP,CER 36RJ-CH1H-CP
C3033	08S45677W25	CAP,CER 36RJ-CH1H-CP
C3034	08S45677W25	CAP,CER 36RJ-CH1H-CP
C3037	08S45676W85	CAP,CER 104K-B1C -CP
C3038	08S45676W80	CAP,CER 223K-B1E -CP
C3039	08S45676W85	CAP,CER 104K-B1C -CP
C3040	08S45676W80	CAP,CER 223K-B1E -CP
C3041	08S65670Y02	CAP,CER 225KX5R1E-CP
C3042	08S65670Y02	CAP,CER 225KX5R1E-CP
C3043	08S65670Y02	CAP,CER 225KX5R1E-CP
C3044	08S65670Y02	CAP,CER 225KX5R1E-CP
C5001	08S45677W21	CAP,CER 24RJ-CH1H-CP
C5002	08S45677W22	CAP,CER.27RJ-CH1H-CP
C5003	08S65667Y05	CAP,CER 105KX5R1A-CP

C5004	08S45676W85	CAP,CER 104K-B1C -CP
C5005	08S45676W85	CAP,CER 104K-B1C -CP
C5006	08S45676W85	CAP,CER 104K-B1C -CP
C5007	08S45677W36	CAP,CER.101J-CH1H-CP
C5008	08S45676W80	CAP,CER 223K-B1E -CP
C5009	08S45677W60	CAP,CER 102J-CH1H-CP
C5010	08S45676W80	CAP,CER 223K-B1E -CP
C5011	08S45676W80	CAP,CER 223K-B1E -CP
C5012	08S45676W80	CAP,CER 223K-B1E -CP
C5013	08S65674Y02	CAP,CER 105KX5R1A-CP
C5014	08S45677W09	CAP,CER 7R0D-CH1H-CP
C5015	08S45677W09	CAP,CER 7R0D-CH1H-CP
C5016	08S45676W80	CAP,CER 223K-B1E -CP
C5017	08S45676W80	CAP,CER 223K-B1E -CP
C5018	08S45676W85	CAP,CER 104K-B1C -CP
C5022	08S45676W80	CAP,CER 223K-B1E -CP
C5101	08S45676W85	CAP,CER 104K-B1C -CP
C5102	08S45676W85	CAP,CER 104K-B1C -CP
C5104	08S65670Y01	CAP,CER 106KX5R1C-CP
C5105	08S45676W85	CAP,CER 104K-B1C -CP
C5106	08S45676W85	CAP,CER 104K-B1C -CP
C5107	08S45676W80	CAP,CER 223K-B1E -CP
C5108	08S65670Y01	CAP,CER 106KX5R1C-CP
C8001	08S45676W80	CAP,CER 223K-B1E -CP
C8002	08S45676W85	CAP,CER 104K-B1C -CP
C8003	08S65669Y02	CAP,CER 474KX7R1E-CP
C8004	08S45676W80	CAP,CER 223K-B1E -CP
C8005	08S45676W89	CAP,CER 473K-B1E -CP
C8006	08S45676W85	CAP,CER 104K-B1C -CP
C8007	08S65669Y01	CAP,CER 334KX7R1E-CP
C8008	08S45676W80	CAP,CER 223K-B1E -CP
C8009	08S45539Y02	CAP,CER 222KX7R2J-CP
C8010	08S65671Y01	CAP,CER 226KX5R1A-CP
C8011	08S45676W80	CAP,CER 223K-B1E -CP
C8012	08S65669Y01	CAP,CER 334KX7R1E-CP
C8017	08S45676W80	CAP,CER 223K-B1E -CP
C8018	08S65669Y01	CAP,CER 334KX7R1E-CP
C8019	08S65667Y05	CAP,CER 105KX5R1A-CP
C8020	08S65667Y05	CAP,CER 105KX5R1A-CP
C8021	08S65669Y01	CAP,CER 334KX7R1E-CP
C8022	08S45676W80	CAP,CER 223K-B1E -CP
C8024	08S65669Y01	CAP,CER 334KX7R1E-CP
C8026	08S45676W85	CAP,CER 104K-B1C -CP
C8028	08S45676W85	CAP,CER 104K-B1C -CP
C8029	08S45676W85	CAP,CER 104K-B1C -CP
C8030	08S45676W85	CAP,CER 104K-B1C -CP
C8033	08S45539Y02	CAP,CER 222KX7R2J-CP
C8034	08S45676W85	CAP,CER 104K-B1C -CP
C8035	08S45676W85	CAP,CER 104K-B1C -CP
C8036	08S45676W80	CAP,CER 223K-B1E -CP
C8038	08S45676W80	CAP,CER 223K-B1E -CP
C8039	08S45676W85	CAP,CER 104K-B1C -CP
C8041	08S45676W85	CAP,CER 104K-B1C -CP
C8042	08S45676W80	CAP,CER 223K-B1E -CP
C8043	08S45676W80	CAP,CER 223K-B1E -CP
C8044	08S45676W80	CAP,CER 223K-B1E -CP
C8046	08S45676W80	CAP,CER 223K-B1E -CP

C8047	08S45676W80	CAP,CER 223K-B1E -CP
C8048	08S45676W80	CAP,CER 223K-B1E -CP
C8049	08S45676W73	CAP,CER.103K-B1H -CP
C9102	08S45232Y07	CAP,CER 222K-B1H -CP
C9104	08S45232Y07	CAP,CER 222K-B1H -CP
C9106	08S45232Y07	CAP,CER 222K-B1H -CP
C9108	08S45232Y07	CAP,CER 222K-B1H -CP
C9110	08S45232Y07	CAP,CER 222K-B1H -CP
C9112	08S45232Y07	CAP,CER 222K-B1H -CP
C9113	08S45232Y07	CAP,CER 222K-B1H -CP
C9114	08S45232Y07	CAP,CER 222K-B1H -CP
C9115	08S45232Y07	CAP,CER 222K-B1H -CP
C9116	08S45232Y07	CAP,CER 222K-B1H -CP
C9127	08S35374W11	CAP,CER 475K-B0J -CP
C9201	08S65670Y01	CAP,CER 106KX5R1C-CP
C9202	08S45676W80	CAP,CER 223K-B1E -CP
C9203	08S65670Y01	CAP,CER 106KX5R1C-CP
C9204	08S65670Y01	CAP,CER 106KX5R1C-CP
C9205	08S45676W80	CAP,CER 223K-B1E -CP
C9206	08S45676W80	CAP,CER 223K-B1E -CP
C9207	08S65670Y01	CAP,CER 106KX5R1C-CP
C9208	08S45676W80	CAP,CER 223K-B1E -CP
C9209	08S65670Y01	CAP,CER 106KX5R1C-CP
C9210	08S45676W80	CAP,CER 223K-B1E -CP
C9211	08S65670Y01	CAP,CER 106KX5R1C-CP
C9212	08T65463Y01	CAP,CER 335K-B1A -CP
C9213	08T65463Y01	CAP,CER 335K-B1A -CP
C9214	08S45677W52	CAP,CER 471J-CH1H-CP
C9215	08S45677W52	CAP,CER 471J-CH1H-CP
C9216	08S45677W38	CAP,CER 121J-CH1H-CP
C9217	08S45677W38	CAP,CER 121J-CH1H-CP
C9218	08S45677W42	CAP,CER.181J-CH1H-CP
C9219	08S45677W42	CAP,CER.181J-CH1H-CP
C9220	08S45677W34	CAP,CER.82RJ-CH1H-CP
C9221	08S45677W34	CAP,CER.82RJ-CH1H-CP
C9501	08S65670Y01	CAP,CER 106KX5R1C-CP
C9502	08S45232Y07	CAP,CER 222K-B1H -CP
C9503	08S65670Y01	CAP,CER 106KX5R1C-CP
C9504	08S45232Y07	CAP,CER 222K-B1H -CP
C9505	08S45232Y07	CAP,CER 222K-B1H -CP
C9506	08S45232Y07	CAP,CER 222K-B1H -CP
C9507	08S45232Y07	CAP,CER 222K-B1H -CP
C9508	08S45232Y07	CAP,CER 222K-B1H -CP
C9509	08S45232Y07	CAP,CER 222K-B1H -CP
C9510	08S45232Y07	CAP,CER 222K-B1H -CP
C9511	08S45232Y07	CAP,CER 222K-B1H -CP
C9512	08S45232Y07	CAP,CER 222K-B1H -CP
C9513	08S45232Y05	CAP,CER 102K-B1H -CP
C9514	08S45232Y07	CAP,CER 222K-B1H -CP
C9515	08S45232Y07	CAP,CER 222K-B1H -CP
C9516	08S45232Y07	CAP,CER 222K-B1H -CP
C9517	08S45232Y07	CAP,CER 222K-B1H -CP
C9518	08S45232Y07	CAP,CER 222K-B1H -CP
C9519	08S45232Y07	CAP,CER 222K-B1H -CP
C9520	08S45232Y07	CAP,CER 222K-B1H -CP
C9521	08S45232Y07	CAP,CER 222K-B1H -CP
C9522	08S45232Y07	CAP,CER 222K-B1H -CP

C9523	08S45232Y07	CAP,CER 222K-B1H -CP
C9524	08S45232Y07	CAP,CER 222K-B1H -CP
C9525	08S45232Y07	CAP,CER 222K-B1H -CP
C9526	08S45232Y07	CAP,CER 222K-B1H -CP
C9527	08S45232Y07	CAP,CER 222K-B1H -CP
C9528	08S45232Y07	CAP,CER 222K-B1H -CP
C9529	08S45232Y07	CAP,CER 222K-B1H -CP
C9530	08S45232Y07	CAP,CER 222K-B1H -CP
C9531	08S45232Y05	CAP,CER 102K-B1H -CP
C9532	08S45232Y07	CAP,CER 222K-B1H -CP
C9533	08S45232Y07	CAP,CER 222K-B1H -CP
C9534	08S45232Y07	CAP,CER 222K-B1H -CP
C9535	08S45232Y07	CAP,CER 222K-B1H -CP
C9536	08S45232Y07	CAP,CER 222K-B1H -CP
C9537	08S45232Y07	CAP,CER 222K-B1H -CP
C9539	08S45232Y07	CAP,CER 222K-B1H -CP
C9540	08S45232Y05	CAP,CER 102K-B1H -CP
C9541	08S45232Y07	CAP,CER 222K-B1H -CP
C9542	08S45232Y05	CAP,CER 102K-B1H -CP
C9543	08S45232Y07	CAP,CER 222K-B1H -CP
C9544	08S45232Y05	CAP,CER 102K-B1H -CP
C9545	08S45232Y17	CAP,CER 104K-B0J -CP
C9549	08S45232Y17	CAP,CER 104K-B0J -CP
C9550	08S45232Y07	CAP,CER 222K-B1H -CP
C9552	08S45232Y07	CAP,CER 222K-B1H -CP
C9570	08S45231Y14	CAP,CER 12RJ-CH1H-CP
C9571	08S45231Y14	CAP,CER 12RJ-CH1H-CP
C9701	08S65670Y01	CAP,CER 106KX5R1C-CP
C9702	08S45232Y07	CAP,CER 222K-B1H -CP
C9703	08S45232Y07	CAP,CER 222K-B1H -CP
C9704	08S45232Y07	CAP,CER 222K-B1H -CP
C9705	08S45232Y07	CAP,CER 222K-B1H -CP
C9706	08S45232Y07	CAP,CER 222K-B1H -CP
C9707	08S45232Y07	CAP,CER 222K-B1H -CP
C9708	08S45232Y07	CAP,CER 222K-B1H -CP
C9709	08S45232Y07	CAP,CER 222K-B1H -CP
C9710	08S65670Y01	CAP,CER 106KX5R1C-CP
C9711	08S45232Y05	CAP,CER 102K-B1H -CP
C9712	08S45232Y07	CAP,CER 222K-B1H -CP
C9713	08S45232Y07	CAP,CER 222K-B1H -CP
C9714	08S45232Y07	CAP,CER 222K-B1H -CP
C9715	08S45232Y07	CAP,CER 222K-B1H -CP
C9716	08S45232Y05	CAP,CER 102K-B1H -CP
C9739	08S45232Y07	CAP,CER 222K-B1H -CP
C9801	08S45677W28	CAP,CER 47RJ-CH1H-CP
C9802	08S45677W36	CAP,CER.101J-CH1H-CP
C9803	08S45232Y07	CAP,CER 222K-B1H -CP
CB3001	09T25436Y05	WTB,53253-0510 -DB
CB8001	09T55228W04	WTB,SC25-04WS -DB
CB9501	09T45442Y50	FFC,54104-5092 -EQ
CH5001	09T55264Y14	BTB,BTFW14R-3RST -EE
D2001	48T25665Y01	DIO,1SS355-TE17 -CP
D2005	48T15707Y01	DIO,MA133-TX -CP
D3002	48T63463F01	DIO,CP.DAP202K -96
D3003	48T63463F01	DIO,CP.DAP202K -96
D3007	48T25665Y01	DIO,1SS355-TE17 -CP
D5001	48T63462F01	DIO,CP.DAN202K -96

D5002	48T63462F01	DIO,CP.DAN202K	-96
D5003	48T95117F01	DIO,CP MA713	-CP
D5004	48T25665Y01	DIO,1SS355-TE17	-CP
D8002	48T45286Y01	DIO,SHT RB050L-40-E1	
D8004	48T45286Y01	DIO,SHT RB050L-40-E1	
D8005	48T25593Y01	DIO,S1G-6904	-E1
D8007	48T25665Y01	DIO,1SS355-TE17	-CP
D8008	48T25665Y01	DIO,1SS355-TE17	-CP
D8009	48T25665Y01	DIO,1SS355-TE17	-CP
D8010	48T25665Y01	DIO,1SS355-TE17	-CP
D8011	48T25665Y01	DIO,1SS355-TE17	-CP
D8012	48T25665Y01	DIO,1SS355-TE17	-CP
D8013	48T25665Y01	DIO,1SS355-TE17	-CP
D8014	48T25665Y01	DIO,1SS355-TE17	-CP
E2001	23S75244Y19	CAP,ELY 101-1C	-E6
E2002	23S75244Y19	CAP,ELY 101-1C	-E6
E2004	23S75244Y36	CAP,ELY 47R-1V	-E6
E2007	23S75244Y22	CAP,ELY 471-1C	-EA
E3022	23S65134W24	CAP,ELY 221-1A(8)-E6	
E3024	23S65134W34	CAP,ELY 47R-1C(6)-E6	
E3025	23S65134W36	CAP,ELY 221-1C(8)-EA	
E3026	23S65134W81	CAP,ELY 22R-1C(4)-E2	
E5001	23S65134W24	CAP,ELY 221-1A(8)-E6	
E5002	23S65134W81	CAP,ELY 22R-1C(4)-E2	
E5003	23S65134W23	CAP,ELY 101-1A(6)-E6	
E5004	23S65134W81	CAP,ELY 22R-1C(4)-E2	
E8002	23S65134W15	CAP,ELY 331-0J(8)-E6	
E8003	23S75244Y22	CAP,ELY 471-1C	-EA
E8005	23S75244Y22	CAP,ELY 471-1C	-EA
E8006	23S75244Y22	CAP,ELY 471-1C	-EA
E8007	23S75244Y22	CAP,ELY 471-1C	-EA
E8008	23T35505W09	CAP,ELY 472-1C	+
E8010	23S75244Y22	CAP,ELY 471-1C	-EA
E8014	23S75244Y22	CAP,ELY 471-1C	-EA
E8016	23S65134W34	CAP,ELY 47R-1C(6)-E6	
E8017	23S75244Y20	CAP,ELY 221-1C	-E6
E8020	23S75244Y20	CAP,ELY 221-1C	-E6
E8022	23S75244Y20	CAP,ELY 221-1C	-E6
E8023	23S65134W34	CAP,ELY 47R-1C(6)-E6	
E8024	23S75244Y22	CAP,ELY 471-1C	-EA
E8025	23S75244Y20	CAP,ELY 221-1C	-E6
E8026	23S65134W11	CAP,ELY 22R-0J(4)-E2	
E8027	23S65134W11	CAP,ELY 22R-0J(4)-E2	
E8028	23S65134W21	CAP,ELY 33R-1A(5)-E3	
E8029	23S65134W12	CAP,ELY 47R-0J(5)-E3	
E8030	23S65134W31	CAP,ELY 10R-1C(4)-E2	
IC2001	51T65561Y02	LC74732WH-9872-E	-QT
IC2002	51T35348Y01	TC7WU04FU-TE12L	-SE1
IC2003	51T15456Y01	TC74HC4066AFT-EL-SE5	
IC3002	51T25576W07	NJM4580V-TE2	-SE2
IC3004	51T25576W07	NJM4580V-TE2	-SE2
IC3005	51T15456Y01	TC74HC4066AFT-EL-SE5	
IC3006	51T25576W07	NJM4580V-TE2	-SE2
IC3007	51T25259Y03	BA00ASFP-E2	-NE5
IC5001	53-00785Z43	MTP,D70F3032BY	-QT
IC5002	51T55070W05	MB88385CPF-ER	-SE9
IC5003	51T25370W01	IC ,MC14538BFEL	-SE6

IC5004	51T93332F01	IC,NJM2903M-TE3 -SE2
IC5106	51T15194Y01	TC74VHCT08AFT-EL-SE5
IC8001	51T95193W01	TDA3606AT -SE9
IC8002	51T65016Y26	S-80937CNMC-T2 -CP
IC8003	51T25259Y03	BA00ASFP-E2 -NE5
IC8004	51T65414Y01	NJM2871F33-TE1 -CP
IC8005	51T45659Y02	BA00BC0WFP-E2 -NE5
IC8006	51T25259Y03	BA00ASFP-E2 -NE5
IC8007	51T45659Y02	BA00BC0WFP-E2 -NE5
IC8008	51T25259Y03	BA00ASFP-E2 -NE5
IC8009	51T55333Y01	PQ1CY1032ZP -NE9
IC8011	51T55333Y01	PQ1CY1032ZP -NE9
IC9101	51T35220Y01	TC7WH126FU-TE12L-SE1
IC9102	51T35220Y01	TC7WH126FU-TE12L-SE1
IC9103	51T25183Y02	TC7SET08FU-EL -CP
IC9104	51T25183Y02	TC7SET08FU-EL -CP
IC9201	51T55240Y01	PCM1742KE -SE2
IC9202	51T25576W07	NJM4580V-TE2 -SE2
IC9501	51T75046Y01	ES6218SF -QT
IC9502	51T35385Y01	TC7MZ245FK-EL -SE2
IC9503	51T35385Y01	TC7MZ245FK-EL -SE2
IC9504	51T35220Y01	TC7WH126FU-TE12L-SE1
IC9505	51T35385Y01	TC7MZ245FK-EL -SE2
IC9506	51T25183Y02	TC7SET08FU-EL -CP
IC9701	51T55519Y01	HY57V641620HGT-HI-ST
IC9702	53-00785Z46	MBM29LV160TE90 -ST
IC9703	51T35669Y01	LC35256FT-70UHS -ST
IC9704	51T25238Y02	TC7SH32FU-TE85L -CP
IC9705	51T55252Y01	TC74VHCT374AFT-ELSE5
L2001	24T25164Y21	IND,FSLM2520 4R7J-CP
L2002	24T25164Y21	IND,FSLM2520 4R7J-CP
L2003	24T25164Y21	IND,FSLM2520 4R7J-CP
L2004	24T25164Y09	IND,FSLM2520 R47J-CP
L2005	24T25164Y09	IND,FSLM2520 R47J-CP
L2006	24T25164Y09	IND,FSLM2520 R47J-CP
L2007	24T25164Y09	IND,FSLM2520 R47J-CP
L2008	24T25164Y09	IND,FSLM2520 R47J-CP
L2009	24T25164Y09	IND,FSLM2520 R47J-CP
L5001	24T65110W16	IND,LK2125 1R0K -CP
L5002	24T65110W16	IND,LK2125 1R0K -CP
L5003	24T25164Y09	IND,FSLM2520 R47J-CP
L5004	24T25164Y09	IND,FSLM2520 R47J-CP
L8002	24T25565Y09	IND,SLF12565 68RM-EA
L8004	24T25565Y09	IND,SLF12565 68RM-EA
L9101	24T65689Y01	FBI,FBMJ2125HS420-CP
L9102	24T65689Y01	FBI,FBMJ2125HS420-CP
L9201	24T95456W27	FBI,BLM18PG181SH1-CP
L9202	24T95456W27	FBI,BLM18PG181SH1-CP
L9501	24T95456W27	FBI,BLM18PG181SH1-CP
L9502	24T95456W27	FBI,BLM18PG181SH1-CP
L9503	24T95456W27	FBI,BLM18PG181SH1-CP
L9801	24T95456W27	FBI,BLM18PG181SH1-CP
L9802	24T35246Y02	IND,LEM2520 1R0J -CP
Q2003	48T45233W02	TR,IMX2-T108 -CP
Q2004	48T63417F01	TR,CP.2SC2412K -96
Q2007	48T63417F01	TR,CP.2SC2412K -96
Q2008	48T62967F33	TR,DTC343TK-T146 -CP

Q3005	48T25317Y01	TR,XN0F256-TX	-CP
Q3006	48T25317Y01	TR,XN0F256-TX	-CP
Q3009	48T75366Y06	TR,FMC2-T148	-CP
Q3010	48T75366Y06	TR,FMC2-T148	-CP
Q3011	48T62967F03	TR,DTC124EKA-T146-CP	
Q5001	48T62967F03	TR,DTC124EKA-T146-CP	
Q5002	48T35548Y04	TR,2SB710A-S-TX	-CP
Q5003	48T62967F03	TR,DTC124EKA-T146-CP	
Q5004	48T75366Y07	TR,FMC3-T148	-CP
Q5005	48T63417F01	TR,CP.2SC2412K	-96
Q5006	48T63420F01	TR,2SA1037AK-146	-CP
Q5007	48T62967F33	TR,DTC343TK-T146	-CP
Q8001	48T75366Y06	TR,FMC2-T148	-CP
Q8002	48T75366Y06	TR,FMC2-T148	-CP
Q8003	48T35548Y04	TR,2SB710A-S-TX	-CP
Q8004	48T45251W03	TR,UN5212 22-22	-CP
Q8005	48T75180Y01	TR,IMH1A-T110	-CP
Q8008	48T62967F03	TR,DTC124EKA-T146-CP	
Q8010	48T75180Y01	TR,IMH1A-T110	-CP
Q8011	48T65015Y02	TR,DTC114EE-TL	-CP
Q8012	48T65014Y02	TR,DTA114EE-TL	-CP
Q8013	48T15656Y02	TR,2SC4617-Q-TL	-CP
Q8014	48T15656Y02	TR,2SC4617-Q-TL	-CP
Q8015	48T65015Y03	TR,DTC124EE-TL	-CP
Q8016	48T92368F04	TR,2SD1760 R	-E5
Q8017	48T75366Y06	TR,FMC2-T148	-CP
Q9501	48T45251W03	TR,UN5212 22-22	-CP
Q9701	48T45251W03	TR,UN5212 22-22	-CP
Q9801	48T63420F01	TR,2SA1037AK-146	-CP
R2001	06S55366Y39	RES,RK JUMPER1/10-CP	
R2004	06S55365Y73	RES,RK 222J 1/10	-CP
R2007	06S55366Y39	RES,RK JUMPER1/10-CP	
R2010	06S55365Y41	RES,RK 101J 1/10	-CP
R2011	06S55365Y55	RES,RK 391J 1/10	-CP
R2012	06S55366Y14	RES,RK 104J 1/10	-CP
R2013	06S55365Y89	RES,RK 103J 1/10	-CP
R2014	06S55365Y49	RES,RK 221J 1/10	-CP
R2015	06S55365Y67	RES,RK 122J 1/10	-CP
R2017	06S55365Y69	RES,RK 152J 1/10	-CP
R2018	06S55366Y39	RES,RK JUMPER1/10-CP	
R2020	06S55366Y39	RES,RK JUMPER1/10-CP	
R2021	06S55366Y06	RES,RK 473J 1/10	-CP
R2022	06S55366Y39	RES,RK JUMPER1/10-CP	
R2023	06S55366Y39	RES,RK JUMPER1/10-CP	
R2024	06S55366Y39	RES,RK JUMPER1/10-CP	
R2025	06S55365Y89	RES,RK 103J 1/10	-CP
R2026	06S55366Y39	RES,RK JUMPER1/10-CP	
R2027	06S55365Y55	RES,RK 391J 1/10	-CP
R2028	06S55365Y55	RES,RK 391J 1/10	-CP
R2029	06S55365Y85	RES,RK 682J 1/10	-CP
R2030	06S55365Y41	RES,RK 101J 1/10	-CP
R2032	06S15593Y63	RES,RK 392F 1/10	-CP
R2033	06S55366Y39	RES,RK JUMPER1/10-CP	
R2034	06S55365Y65	RES,RK 102J 1/10	-CP
R2035	06S55365Y65	RES,RK 102J 1/10	-CP
R2037	06S55361Y55	RES,RK 391J 1/4	-CP
R2038	06S55361Y55	RES,RK 391J 1/4	-CP

R2039	06S55361Y37	RES,RK 68RJ 1/4 -CP
R2040	06S55361Y89	RES,RK 103J 1/4 -CP
R2041	06S55365Y71	RES,RK 182J 1/10 -CP
R2042	06S55366Y38	RES,RK 105J 1/10 -CP
R2043	06S55366Y39	RES,RK JUMPER1/10-CP
R2046	06S55365Y41	RES,RK 101J 1/10 -CP
R2047	06S55365Y57	RES,RK 471J 1/10 -CP
R3015	06S55366Y39	RES,RK JUMPER1/10-CP
R3016	06S55366Y39	RES,RK JUMPER1/10-CP
R3017	06S55366Y39	RES,RK JUMPER1/10-CP
R3018	06S55366Y39	RES,RK JUMPER1/10-CP
R3019	06S55366Y06	RES,RK 473J 1/10 -CP
R3020	06S55366Y06	RES,RK 473J 1/10 -CP
R3030	06S15593Y69	RES,RK 682F 1/10 -CP
R3031	06S15593Y69	RES,RK 682F 1/10 -CP
R3032	06S15593Y69	RES,RK 682F 1/10 -CP
R3033	06S15593Y69	RES,RK 682F 1/10 -CP
R3034	06S55365Y99	RES,RK 273J 1/10 -CP
R3035	06S55365Y99	RES,RK 273J 1/10 -CP
R3036	06S55365Y90	RES,RK 113J 1/10 -CP
R3037	06S55365Y90	RES,RK 113J 1/10 -CP
R3039	06S55365Y65	RES,RK 102J 1/10 -CP
R3040	06S55365Y97	RES,RK 223J 1/10 -CP
R3041	06S55365Y97	RES,RK 223J 1/10 -CP
R3042	06S55361Y33	RES,RK 47RJ 1/4 -CP
R3043	06S55361Y33	RES,RK 47RJ 1/4 -CP
R3044	06S55361Y17	RES,RK 10RJ 1/4 -CP
R3045	06S55361Y17	RES,RK 10RJ 1/4 -CP
R3047	06S55365Y57	RES,RK 471J 1/10 -CP
R3048	06S55365Y57	RES,RK 471J 1/10 -CP
R3049	06S55365Y89	RES,RK 103J 1/10 -CP
R3050	06S55365Y89	RES,RK 103J 1/10 -CP
R3056	06S55365Y62	RES,RK 751J 1/10 -CP
R3057	06S55365Y62	RES,RK 751J 1/10 -CP
R3058	06S55361Y41	RES,RK 101J 1/4 -CP
R3059	06S55365Y65	RES,RK 102J 1/10 -CP
R3060	06S55365Y97	RES,RK 223J 1/10 -CP
R3061	06S55365Y97	RES,RK 223J 1/10 -CP
R3062	06S55361Y33	RES,RK 47RJ 1/4 -CP
R3063	06S55361Y33	RES,RK 47RJ 1/4 -CP
R3064	06S55361Y17	RES,RK 10RJ 1/4 -CP
R3065	06S55361Y17	RES,RK 10RJ 1/4 -CP
R3067	06S55365Y17	RES,RK 10RJ 1/10 -CP
R3068	06S55365Y17	RES,RK 10RJ 1/10 -CP
R3069	06S15593Y81	RES,RK 223F 1/10 -CP
R3070	06S15593Y81	RES,RK 223F 1/10 -CP
R3071	06S55365Y85	RES,RK 682J 1/10 -CP
R3072	06S55365Y85	RES,RK 682J 1/10 -CP
R3073	06S15593Y81	RES,RK 223F 1/10 -CP
R3074	06S15593Y81	RES,RK 223F 1/10 -CP
R3075	06S15593Y81	RES,RK 223F 1/10 -CP
R3076	06S15593Y81	RES,RK 223F 1/10 -CP
R3077	06S15593Y81	RES,RK 223F 1/10 -CP
R3078	06S15593Y81	RES,RK 223F 1/10 -CP
R3079	06S55365Y89	RES,RK 103J 1/10 -CP
R3080	06S55365Y29	RES,RK 33RJ 1/10 -CP
R3081	06S55365Y87	RES,RK 822J 1/10 -CP

R3083	06S15593Y74	RES,RK 113F 1/10 -CP
R3084	06S15593Y27	RES,RK 121F 1/10 -CP
R3085	06S15593Y57	RES,RK 222F 1/10 -CP
R5001	06S55365Y69	RES,RK 152J 1/10 -CP
R5002	06S55365Y73	RES,RK 222J 1/10 -CP
R5003	06S55365Y73	RES,RK 222J 1/10 -CP
R5004	06S55365Y69	RES,RK 152J 1/10 -CP
R5005	06S55361Y46	RES,RK 161J 1/4 -CP
R5006	06S55361Y46	RES,RK 161J 1/4 -CP
R5007	06S55361Y46	RES,RK 161J 1/4 -CP
R5008	06S55361Y46	RES,RK 161J 1/4 -CP
R5009	06S55365Y81	RES,RK 472J 1/10 -CP
R5010	06S55365Y57	RES,RK 471J 1/10 -CP
R5011	06S55365Y57	RES,RK 471J 1/10 -CP
R5012	06S55365Y57	RES,RK 471J 1/10 -CP
R5013	06S55365Y57	RES,RK 471J 1/10 -CP
R5014	06S55365Y81	RES,RK 472J 1/10 -CP
R5015	06S55365Y81	RES,RK 472J 1/10 -CP
R5016	06S55366Y06	RES,RK 473J 1/10 -CP
R5017	06S55365Y93	RES,RK 153J 1/10 -CP
R5018	06S55365Y87	RES,RK 822J 1/10 -CP
R5019	06S55365Y89	RES,RK 103J 1/10 -CP
R5020	06S55365Y99	RES,RK 273J 1/10 -CP
R5021	06S55366Y38	RES,RK 105J 1/10 -CP
R5022	06S55366Y26	RES,RK 334J 1/10 -CP
R5023	06S55366Y30	RES,RK 474J 1/10 -CP
R5024	06S55365Y97	RES,RK 223J 1/10 -CP
R5025	06S55366Y39	RES,RK JUMPER1/10-CP
R5027	06S55365Y97	RES,RK 223J 1/10 -CP
R5029	06S55365Y97	RES,RK 223J 1/10 -CP
R5030	06S55365Y65	RES,RK 102J 1/10 -CP
R5031	06S55365Y65	RES,RK 102J 1/10 -CP
R5032	06S55365Y65	RES,RK 102J 1/10 -CP
R5033	06S55365Y65	RES,RK 102J 1/10 -CP
R5034	06S55365Y57	RES,RK 471J 1/10 -CP
R5035	06S55365Y97	RES,RK 223J 1/10 -CP
R5036	06S55365Y97	RES,RK 223J 1/10 -CP
R5037	06S55365Y97	RES,RK 223J 1/10 -CP
R5039	06S55365Y97	RES,RK 223J 1/10 -CP
R5040	06S55363Y97	RES,RK 223J 1/8 -CP
R5041	06S55365Y97	RES,RK 223J 1/10 -CP
R5042	06S55365Y65	RES,RK 102J 1/10 -CP
R5043	06S55365Y65	RES,RK 102J 1/10 -CP
R5044	06S55365Y97	RES,RK 223J 1/10 -CP
R5045	06S55365Y97	RES,RK 223J 1/10 -CP
R5047	06S15593Y78	RES,RK 163F 1/10 -CP
R5048	06S55365Y98	RES,RK 243J 1/10 -CP
R5049	06S55361Y75	RES,RK 272J 1/4 -CP
R5050	06S55363Y57	RES,RK 471J 1/8 -CP
R5051	06S55366Y14	RES,RK 104J 1/10 -CP
R5052	06S55365Y89	RES,RK 103J 1/10 -CP
R5053	06S55365Y97	RES,RK 223J 1/10 -CP
R5096	06S55365Y65	RES,RK 102J 1/10 -CP
R5103	06S55366Y39	RES,RK JUMPER1/10-CP
R5104	06S55366Y39	RES,RK JUMPER1/10-CP
R5105	06S55366Y39	RES,RK JUMPER1/10-CP
R5106	06S55365Y89	RES,RK 103J 1/10 -CP

R5107	06S55365Y89	RES,RK 103J 1/10 -CP
R5108	06S55366Y10	RES,RK 683J 1/10 -CP
R5109	06S55366Y02	RES,RK 333J 1/10 -CP
R5110	06S55365Y89	RES,RK 103J 1/10 -CP
R5111	06S55365Y59	RES,RK 561J 1/10 -CP
R5112	06S55365Y25	RES,RK 22RJ 1/10 -CP
R5113	06S55365Y69	RES,RK 152J 1/10 -CP
R5114	06S55365Y69	RES,RK 152J 1/10 -CP
R5115	06S55362Y39	RES,RK JUMPER 1/4-CP
R5116	06S55361Y57	RES,RK 471J 1/4 -CP
R5117	06S55365Y71	RES,RK 182J 1/10 -CP
R8001	06S55366Y39	RES,RK JUMPER1/10-CP
R8003	06S55366Y06	RES,RK 473J 1/10 -CP
R8004	06S35083Y50	RES,RK 124F 1/4 -CP
R8005	06S45348Y35	RES,RK 364F 1/4 -CP
R8009	06S15593Y73	RES,RK 103F 1/10 -CP
R8010	06S55366Y39	RES,RK JUMPER1/10-CP
R8011	06S15593Y49	RES,RK 102F 1/10 -CP
R8012	06S15593Y49	RES,RK 102F 1/10 -CP
R8013	06S55362Y06	RES,RK 473J 1/4 -CP
R8014	06S55362Y06	RES,RK 473J 1/4 -CP
R8015	06S15593Y68	RES,RK 622F 1/10 -CP
R8016	06S55366Y39	RES,RK JUMPER1/10-CP
R8017	06S15593Y56	RES,RK 202F 1/10 -CP
R8018	06S55365Y98	RES,RK 243J 1/10 -CP
R8019	06S55361Y69	RES,RK 152J 1/4 -CP
R8020	06S15593Y63	RES,RK 392F 1/10 -CP
R8021	06S55366Y39	RES,RK JUMPER1/10-CP
R8022	06S15593Y58	RES,RK 242F 1/10 -CP
R8023	06S15593Y70	RES,RK 752F 1/10 -CP
R8024	06S55366Y39	RES,RK JUMPER1/10-CP
R8025	06S15593Y58	RES,RK 242F 1/10 -CP
R8026	06S55361Y05	RES,RK 3R3J 1/4 -CP
R8027	06S55361Y05	RES,RK 3R3J 1/4 -CP
R8028	06S55361Y05	RES,RK 3R3J 1/4 -CP
R8029	06S55361Y05	RES,RK 3R3J 1/4 -CP
R8030	06S15593Y70	RES,RK 752F 1/10 -CP
R8031	06S15593Y58	RES,RK 242F 1/10 -CP
R8032	06S15593Y73	RES,RK 103F 1/10 -CP
R8033	06S55366Y14	RES,RK 104J 1/10 -CP
R8034	06S55366Y14	RES,RK 104J 1/10 -CP
R8035	06S15593Y78	RES,RK 163F 1/10 -CP
R8036	06S15593Y35	RES,RK 271F 1/10 -CP
R8037	06S15593Y57	RES,RK 222F 1/10 -CP
R8039	06S55361Y65	RES,RK 102J 1/4 -CP
R8041	06S15593Y71	RES,RK 822F 1/10 -CP
R8042	06S15593Y55	RES,RK 182F 1/10 -CP
R8043	06S55361Y47	RES,RK 181J 1/4 -CP
R8044	06S55361Y81	RES,RK 472J 1/4 -CP
R8045	06S55361Y47	RES,RK 181J 1/4 -CP
R8050	06S55361Y65	RES,RK 102J 1/4 -CP
R8053	06S15593Y58	RES,RK 242F 1/10 -CP
R8054	06S15593Y50	RES,RK 112F 1/10 -CP
R8055	06S55365Y59	RES,RK 561J 1/10 -CP
R8059	06S55362Y06	RES,RK 473J 1/4 -CP
R8060	06S55361Y81	RES,RK 472J 1/4 -CP
R8061	06S55365Y97	RES,RK 223J 1/10 -CP

R8062	06S55361Y65	RES,RK 102J 1/4 -CP
R8063	06S55365Y89	RES,RK 103J 1/10 -CP
R8065	06S55366Y14	RES,RK 104J 1/10 -CP
R8066	06S55366Y02	RES,RK 333J 1/10 -CP
R8067	06S55365Y81	RES,RK 472J 1/10 -CP
R8068	06S55365Y81	RES,RK 472J 1/10 -CP
R8069	06S55366Y30	RES,RK 474J 1/10 -CP
R8070	06S55361Y51	RES,RK 271J 1/4 -CP
R8071	06S55361Y51	RES,RK 271J 1/4 -CP
R8072	06S55365Y65	RES,RK 102J 1/10 -CP
R8073	06S55362Y06	RES,RK 473J 1/4 -CP
R8074	06S55361Y57	RES,RK 471J 1/4 -CP
R8075	06S55361Y01	RES,RK 2R2J 1/4 -CP
R8081	06S55366Y14	RES,RK 104J 1/10 -CP
R8082	06S55366Y14	RES,RK 104J 1/10 -CP
R8083	06S55366Y14	RES,RK 104J 1/10 -CP
R8084	06S55366Y14	RES,RK 104J 1/10 -CP
R8085	06S55365Y65	RES,RK 102J 1/10 -CP
R8086	06S55361Y05	RES,RK 3R3J 1/4 -CP
R8087	06S55361Y05	RES,RK 3R3J 1/4 -CP
R8101	06S55361Y05	RES,RK 3R3J 1/4 -CP
R8102	06S55361Y05	RES,RK 3R3J 1/4 -CP
R8103	06S55361Y05	RES,RK 3R3J 1/4 -CP
R8104	06S55361Y05	RES,RK 3R3J 1/4 -CP
R8105	06S55361Y05	RES,RK 3R3J 1/4 -CP
R8106	06S55361Y05	RES,RK 3R3J 1/4 -CP
R9101	06S15615Y13	RES,RK 33RJ 1/16 -CP
R9102	06S15615Y13	RES,RK 33RJ 1/16 -CP
R9103	06S15615Y13	RES,RK 33RJ 1/16 -CP
R9104	06S15615Y13	RES,RK 33RJ 1/16 -CP
R9105	06S15615Y13	RES,RK 33RJ 1/16 -CP
R9106	06S15615Y81	RES,RK 223J 1/16 -CP
R9107	06S15615Y13	RES,RK 33RJ 1/16 -CP
R9109	06S15615Y21	RES,RK 68RJ 1/16 -CP
R9110	06S15615Y81	RES,RK 223J 1/16 -CP
R9111	06S15615Y81	RES,RK 223J 1/16 -CP
R9120	06S15615Y81	RES,RK 223J 1/16 -CP
R9201	06S15593Y69	RES,RK 682F 1/10 -CP
R9202	06S15593Y69	RES,RK 682F 1/10 -CP
R9203	06S15593Y69	RES,RK 682F 1/10 -CP
R9204	06S15593Y69	RES,RK 682F 1/10 -CP
R9205	06S15615Y21	RES,RK 68RJ 1/16 -CP
R9206	06S15593Y67	RES,RK 562F 1/10 -CP
R9207	06S15593Y67	RES,RK 562F 1/10 -CP
R9208	06S15593Y81	RES,RK 223F 1/10 -CP
R9209	06S15593Y81	RES,RK 223F 1/10 -CP
R9210	06S15593Y57	RES,RK 222F 1/10 -CP
R9211	06S15593Y57	RES,RK 222F 1/10 -CP
R9212	06S15593Y73	RES,RK 103F 1/10 -CP
R9213	06S15593Y73	RES,RK 103F 1/10 -CP
R9214	06S55365Y63	RES,RK 821J 1/10 -CP
R9215	06S55365Y63	RES,RK 821J 1/10 -CP
R9216	06S15594Y10	RES,RK 334F 1/10 -CP
R9217	06S15594Y10	RES,RK 334F 1/10 -CP
R9218	06S15593Y17	RES,RK 47RF 1/10 -CP
R9219	06S15593Y17	RES,RK 47RF 1/10 -CP
R9513	06S15615Y21	RES,RK 68RJ 1/16 -CP

R9534	06S15615Y21	RES,RK 68RJ 1/16 -CP
R9536	06S15615Y25	RES,RK 101J 1/16 -CP
R9545	06S15615Y25	RES,RK 101J 1/16 -CP
R9546	06S15615Y25	RES,RK 101J 1/16 -CP
R9547	06S15615Y65	RES,RK 472J 1/16 -CP
R9564	06S15615Y21	RES,RK 68RJ 1/16 -CP
R9574	06S15615Y25	RES,RK 101J 1/16 -CP
R9575	06S15615Y25	RES,RK 101J 1/16 -CP
R9576	06S15615Y81	RES,RK 223J 1/16 -CP
R9578	06S15615Y65	RES,RK 472J 1/16 -CP
R9579	06S15615Y65	RES,RK 472J 1/16 -CP
R9580	06S15615Y73	RES,RK 103J 1/16 -CP
R9581	06S15615Y65	RES,RK 472J 1/16 -CP
R9582	06S15615Y65	RES,RK 472J 1/16 -CP
R9583	06S15615Y65	RES,RK 472J 1/16 -CP
R9584	06S15615Y65	RES,RK 472J 1/16 -CP
R9585	06S15615Y65	RES,RK 472J 1/16 -CP
R9586	06S15615Y21	RES,RK 68RJ 1/16 -CP
R9587	06S15615Y21	RES,RK 68RJ 1/16 -CP
R9588	06S15615Y21	RES,RK 68RJ 1/16 -CP
R9589	06S15615Y21	RES,RK 68RJ 1/16 -CP
R9590	06S15615Y21	RES,RK 68RJ 1/16 -CP
R9591	06S15615Y21	RES,RK 68RJ 1/16 -CP
R9592	06S15615Y21	RES,RK 68RJ 1/16 -CP
R9593	06S15615Y21	RES,RK 68RJ 1/16 -CP
R9594	06S15615Y21	RES,RK 68RJ 1/16 -CP
R9595	06S15615Y25	RES,RK 101J 1/16 -CP
R9597	06S15616Y23	RES,RK JUMPER1/16-CP
R9600	06S15615Y21	RES,RK 68RJ 1/16 -CP
R9607	06S65415Y14	RES,RK 121F 1/16 -CP
R9608	06S15615Y21	RES,RK 68RJ 1/16 -CP
R9609	06S65415Y14	RES,RK 121F 1/16 -CP
R9610	06S65415Y14	RES,RK 121F 1/16 -CP
R9611	06S65415Y14	RES,RK 121F 1/16 -CP
R9612	06S65415Y14	RES,RK 121F 1/16 -CP
R9616	06S15593Y39	RES,RK 391F 1/10 -CP
R9618	06S15615Y81	RES,RK 223J 1/16 -CP
R9619	06S15615Y81	RES,RK 223J 1/16 -CP
R9620	06S15615Y21	RES,RK 68RJ 1/16 -CP
R9621	06S15615Y21	RES,RK 68RJ 1/16 -CP
R9631	06S15616Y22	RES,RK 105J 1/16 -CP
R9632	06S15615Y49	RES,RK 102J 1/16 -CP
R9633	06S15615Y65	RES,RK 472J 1/16 -CP
R9634	06S15615Y65	RES,RK 472J 1/16 -CP
R9635	06S15615Y65	RES,RK 472J 1/16 -CP
R9636	06S15615Y81	RES,RK 223J 1/16 -CP
R9637	06S15615Y65	RES,RK 472J 1/16 -CP
R9638	06S15615Y65	RES,RK 472J 1/16 -CP
R9640	06S15615Y65	RES,RK 472J 1/16 -CP
R9642	06S15615Y65	RES,RK 472J 1/16 -CP
R9643	06S15615Y65	RES,RK 472J 1/16 -CP
R9644	06S15615Y65	RES,RK 472J 1/16 -CP
R9645	06S15615Y65	RES,RK 472J 1/16 -CP
R9646	06S15615Y65	RES,RK 472J 1/16 -CP
R9647	06S15615Y65	RES,RK 472J 1/16 -CP
R9648	06S15615Y65	RES,RK 472J 1/16 -CP
R9649	06S15615Y65	RES,RK 472J 1/16 -CP

R9650	06S15615Y65	RES,RK 472J 1/16 -CP
R9651	06S15615Y65	RES,RK 472J 1/16 -CP
R9652	06S15615Y65	RES,RK 472J 1/16 -CP
R9653	06S15615Y65	RES,RK 472J 1/16 -CP
R9654	06S15615Y65	RES,RK 472J 1/16 -CP
R9655	06S15615Y65	RES,RK 472J 1/16 -CP
R9656	06S15615Y65	RES,RK 472J 1/16 -CP
R9657	06S15615Y65	RES,RK 472J 1/16 -CP
R9658	06S15615Y65	RES,RK 472J 1/16 -CP
R9670	06S15615Y65	RES,RK 472J 1/16 -CP
R9671	06S15593Y65	RES,RK 472F 1/10 -CP
R9702	06S15615Y65	RES,RK 472J 1/16 -CP
R9703	06S15615Y21	RES,RK 68RJ 1/16 -CP
R9705	06S15615Y21	RES,RK 68RJ 1/16 -CP
R9706	06S15615Y21	RES,RK 68RJ 1/16 -CP
R9708	06S15615Y25	RES,RK 101J 1/16 -CP
R9720	06S15615Y73	RES,RK 103J 1/16 -CP
R9730	06S15615Y25	RES,RK 101J 1/16 -CP
R9731	06S15615Y25	RES,RK 101J 1/16 -CP
R9801	06S15593Y22	RES,RK 75RF 1/10 -CP
R9802	06S15593Y22	RES,RK 75RF 1/10 -CP
R9803	06S35084Y19	RES,RK 331F 1/8 -CP
R9804	06S35084Y19	RES,RK 331F 1/8 -CP
RA5080	06S45591W16	RES,ARY MNR223J 4-CP
RA5081	06S45591W16	RES,ARY MNR223J 4-CP
RA5082	06S45591W06	RES,ARY MNR102J 4-CP
RA5083	06S45591W06	RES,ARY MNR102J 4-CP
RA5084	06S45591W06	RES,ARY MNR102J 4-CP
RA5085	06S45591W06	RES,ARY MNR102J 4-CP
RA5086	06S45591W06	RES,ARY MNR102J 4-CP
RA5087	06S45591W06	RES,ARY MNR102J 4-CP
RA5088	06S45591W06	RES,ARY MNR102J 4-CP
RA5089	06S45591W06	RES,ARY MNR102J 4-CP
RA5090	06S45591W06	RES,ARY MNR102J 4-CP
RA5091	06S45591W06	RES,ARY MNR102J 4-CP
RA5092	06S45591W06	RES,ARY MNR102J 4-CP
RA5093	06S45591W06	RES,ARY MNR102J 4-CP
RA5094	06S45591W16	RES,ARY MNR223J 4-CP
RA9501	06S15771Y11	RES,ARYEXB28V68RJ-CP
RA9502	06S15771Y11	RES,ARYEXB28V68RJ-CP
RA9503	06S15771Y11	RES,ARYEXB28V68RJ-CP
RA9504	06S15771Y13	RES,ARYEXB28V101J-CP
RA9505	06S15771Y13	RES,ARYEXB28V101J-CP
RA9506	06S15771Y13	RES,ARYEXB28V101J-CP
RA9507	06S15771Y13	RES,ARYEXB28V101J-CP
RA9508	06S15771Y13	RES,ARYEXB28V101J-CP
RA9509	06S15771Y13	RES,ARYEXB28V101J-CP
RA9510	06S15771Y13	RES,ARYEXB28V101J-CP
RA9511	06S15771Y13	RES,ARYEXB28V101J-CP
RA9512	06S15771Y11	RES,ARYEXB28V68RJ-CP
RA9513	06S15771Y11	RES,ARYEXB28V68RJ-CP
RA9514	06S15771Y11	RES,ARYEXB28V68RJ-CP
RA9515	06S15771Y11	RES,ARYEXB28V68RJ-CP
RA9516	06S15771Y13	RES,ARYEXB28V101J-CP
RA9517	06S15771Y13	RES,ARYEXB28V101J-CP
RA9518	06S15771Y13	RES,ARYEXB28V101J-CP
RA9519	06S15771Y13	RES,ARYEXB28V101J-CP

RA9520	06S15771Y11	RES,ARYEXB28V68RJ-CP
RA9521	06S15771Y11	RES,ARYEXB28V68RJ-CP
RA9522	06S15771Y11	RES,ARYEXB28V68RJ-CP
RA9523	06S15771Y11	RES,ARYEXB28V68RJ-CP
RA9524	06S15771Y11	RES,ARYEXB28V68RJ-CP
RA9525	06S15771Y11	RES,ARYEXB28V68RJ-CP
RA9526	06S15771Y11	RES,ARYEXB28V68RJ-CP
RA9527	06S15771Y11	RES,ARYEXB28V68RJ-CP
SW5001	40T45557Y01	SW,SLIDE SSAC120100
		(Ai-NET/STANDALONE)
TH5001	48T65058Y10	TMT,TH11-4H104GT -CP
VT2001	24T75253Y01	COIL,OSC VTR FSDV-E6
XL2001	91T75536Y02	XTL,NX8045GB 17.7-E5
XL2002	91T75536Y03	XTL,NX8045GB 14.3-E5
XL5001	91T65149Y01	XTL,CMR310T 4.00M-E9
XL5002	91T75536Y01	XTL,NX8045GB 19.9-E5
XL9510	91T75190Y01	XTL,NX3225DA 27.0-CP
Z2001	91T45556Y03	EMI,NFM21HC101U1H-CP
Z2003	91T75198W05	EMI,NFE61PT472C1H-E1
Z8001	91T75198W05	EMI,NFE61PT472C1H-E1
Z8002	91T45556Y03	EMI,NFM21HC101U1H-CP
Z8003	91T75198W05	EMI,NFE61PT472C1H-E1
Z8004	91T75198W05	EMI,NFE61PT472C1H-E1
Z9107	91T75196Y03	EMI,BK1005LL100 -CP
Z9506	91T75196Y02	EMI,BK1005LL680 -CP
Z9507	91T75196Y02	EMI,BK1005LL680 -CP
Z9508	91T75196Y02	EMI,BK1005LL680 -CP
Z9509	91T75196Y02	EMI,BK1005LL680 -CP
Z9510	91T75196Y02	EMI,BK1005LL680 -CP
Z9511	91T75196Y02	EMI,BK1005LL680 -CP
Z9512	91T75196Y03	EMI,BK1005LL100 -CP
Z9513	91T75196Y03	EMI,BK1005LL100 -CP
Z9514	91T75196Y03	EMI,BK1005LL100 -CP
Z9515	91T75196Y03	EMI,BK1005LL100 -CP
Z9516	91T75196Y03	EMI,BK1005LL100 -CP
Z9519	91T75196Y02	EMI,BK1005LL680 -CP
ZD5002	48T35392Y06	DIO,ZEN RLZ7.5A -CP
ZD5003	48T35392Y06	DIO,ZEN RLZ7.5A -CP
ZD5005	48T15541Y51	DIO,ZEN MAZS0560L-CP
ZD8002	48T62934F19	DIO,ZEN.RD5.1MB2 -CP
ZD8003	48T25064Y02	DIO,ZEN ZSH5MA27A-ED
ZD8004	48T62934F26	DIO,ZEN.RD6.2MB3 -CP
ZD8006	48T62934F47	DIO,ZEN.RD12MB3 -CP

=====FRONT P.W.Board

C4001	08S45676W80	CAP,CER 223K-B1E -CP
CB4001	09T55265Y14	BTB,BTFW14P-3SST -EE
LD4001	48T65176Y02	LED,BLU DB1111C -CP
LD4002	48T65176Y02	LED,BLU DB1111C -CP
LD4003	48T65176Y02	LED,BLU DB1111C -CP
LD4004	48T65176Y02	LED,BLU DB1111C -CP
LD4007	48T15110Y15	LED,A/G 1211C-27 -CP
LD4008	48T15110Y15	LED,A/G 1211C-27 -CP
LD4009	48T15110Y15	LED,A/G 1211C-27 -CP
LD4010	48T25534Y01	LED,GRN BG1111C -CP
Q4003	48T62967F05	TR,DTC143XKA-T146-CP
Q4004	48T62967F05	TR,DTC143XKA-T146-CP

Q4005	48T62967F05	TR,DTC143XKA-T146-CP
Q4006	48T62967F05	TR,DTC143XKA-T146-CP
Q4007	48T62967F05	TR,DTC143XKA-T146-CP
Q4008	48T62967F05	TR,DTC143XKA-T146-CP
Q4009	48T62967F05	TR,DTC143XKA-T146-CP
Q4010	48T62967F05	TR,DTC143XKA-T146-CP
Q4011	48T62967F05	TR,DTC143XKA-T146-CP
Q4012	48T62967F05	TR,DTC143XKA-T146-CP
R4003	06S55361Y69	RES,RK 152J 1/4 -CP
R4004	06S55361Y69	RES,RK 152J 1/4 -CP
R4005	06S55361Y71	RES,RK 182J 1/4 -CP
R4006	06S55361Y69	RES,RK 152J 1/4 -CP
R4007	06S55365Y81	RES,RK 472J 1/10 -CP
R4008	06S55361Y64	RES,RK 911J 1/4 -CP
R4009	06S55361Y71	RES,RK 182J 1/4 -CP
R4010	06S55361Y69	RES,RK 152J 1/4 -CP
R4011	06S55365Y81	RES,RK 472J 1/10 -CP
R4012	06S55361Y71	RES,RK 182J 1/4 -CP
R4013	06S55361Y69	RES,RK 152J 1/4 -CP
R4014	06S55365Y81	RES,RK 472J 1/10 -CP
R4015	06S55363Y65	RES,RK 102J 1/8 -CP
R4016	06S55363Y65	RES,RK 102J 1/8 -CP
R4017	06S55363Y65	RES,RK 102J 1/8 -CP
R4019	06S55363Y65	RES,RK 102J 1/8 -CP
R4020	06S55363Y57	RES,RK 471J 1/8 -CP
R4021	06S55363Y65	RES,RK 102J 1/8 -CP
SW4001	40T65353Y01	SW,TACT SKRSPACE010E2 (EJECT)
SW4002	40T65353Y01	SW,TACT SKRSPACE010E2 (RESET)
ZD4003	48T15541Y44	DIO,ZEN MAZS0430H-CP
ZD4004	48T15541Y44	DIO,ZEN MAZS0430H-CP
ZD4005	48T15541Y44	DIO,ZEN MAZS0430H-CP
ZD4006	48T15541Y44	DIO,ZEN MAZS0430H-CP

=====MAIN-LSI P.W.Board

C101	08S45676W85	CAP,CER 104K-B1C -CP
C202	08S45676W85	CAP,CER 104K-B1C -CP
C203	08S45676W85	CAP,CER 104K-B1C -CP
C204	08S45676W75	CAP,CER.153K-B1H -CP
C205	08S45676W85	CAP,CER 104K-B1C -CP
C207	08S45676W85	CAP,CER 104K-B1C -CP
C301	08S45676W85	CAP,CER 104K-B1C -CP
C302	08S45676W85	CAP,CER 104K-B1C -CP
C303	08S45676W85	CAP,CER 104K-B1C -CP
C304	08S45676W85	CAP,CER 104K-B1C -CP
C305	08S45676W85	CAP,CER 104K-B1C -CP
C307	08S45676W85	CAP,CER 104K-B1C -CP
C308	08S45676W85	CAP,CER 104K-B1C -CP
C309	08S45676W85	CAP,CER 104K-B1C -CP
C310	08S45676W85	CAP,CER 104K-B1C -CP
C311	08S45676W85	CAP,CER 104K-B1C -CP
C312	08S45676W85	CAP,CER 104K-B1C -CP
C313	08S45676W85	CAP,CER 104K-B1C -CP
C314	08S45676W85	CAP,CER 104K-B1C -CP
C315	08S45676W85	CAP,CER 104K-B1C -CP

C316	08S45676W85	CAP,CER 104K-B1C -CP
C317	08S45676W85	CAP,CER 104K-B1C -CP
C318	08S45677W44	CAP,CER.221J-CH1H-CP
C319	08S45676W85	CAP,CER 104K-B1C -CP
C320	08S45676W73	CAP,CER.103K-B1H -CP
C321	08S45677W12	CAP,CER.10RD-CH1H-CP
C322	08S45677W12	CAP,CER.10RD-CH1H-CP
C328	08S45676W80	CAP,CER 223K-B1E -CP
C330	08S45677W28	CAP,CER 47RJ-CH1H-CP
C331	08S45677W60	CAP,CER 102J-CH1H-CP
C332	08S45676W70	CAP,CER 562K-B1H -CP
C333	08S45677W60	CAP,CER 102J-CH1H-CP
C334	08S45677W60	CAP,CER 102J-CH1H-CP
C335	08S45677W60	CAP,CER 102J-CH1H-CP
C336	08S45676W73	CAP,CER.103K-B1H -CP
C337	08S45676W66	CAP,CER.272K-B1H -CP
C338	08S45677W54	CAP,CER 561J-CH1H-CP
C339	08S45676W65	CAP,CER.222K-B1H -CP
C340	08S45677W48	CAP,CER.331J-CH1H-CP
C345	08S45676W85	CAP,CER 104K-B1C -CP
C346	08S45676W73	CAP,CER.103K-B1H -CP
C347	08S45676W73	CAP,CER.103K-B1H -CP
C348	08S45676W85	CAP,CER 104K-B1C -CP
C351	08S45677W60	CAP,CER 102J-CH1H-CP
C352	08S45677W40	CAP,CER.151J-CH1H-CP
C353	08S45677W40	CAP,CER.151J-CH1H-CP
C355	08S45677W09	CAP,CER 7R0D-CH1H-CP
C356	08S45677W48	CAP,CER.331J-CH1H-CP
C357	08S45677W50	CAP,CER 391J-CH1H-CP
C358	08S45676W85	CAP,CER 104K-B1C -CP
C359	08S45676W85	CAP,CER 104K-B1C -CP
C360	08S45676W85	CAP,CER 104K-B1C -CP
C361	08S45677W60	CAP,CER 102J-CH1H-CP
C362	08S45676W73	CAP,CER.103K-B1H -CP
C363	08S45676W85	CAP,CER 104K-B1C -CP
C364	08S45676W85	CAP,CER 104K-B1C -CP
C365	08S45676W85	CAP,CER 104K-B1C -CP
C401	08S45676W85	CAP,CER 104K-B1C -CP
C402	08S45676W85	CAP,CER 104K-B1C -CP
C403	08S45676W85	CAP,CER 104K-B1C -CP
C404	08S45676W85	CAP,CER 104K-B1C -CP
C405	08S45676W85	CAP,CER 104K-B1C -CP
C406	08S45676W85	CAP,CER 104K-B1C -CP
C407	08S45677W60	CAP,CER 102J-CH1H-CP
C408	08S45676W85	CAP,CER 104K-B1C -CP
C410	08S45676W85	CAP,CER 104K-B1C -CP
C411	08S45676W85	CAP,CER 104K-B1C -CP
C415	08S45676W85	CAP,CER 104K-B1C -CP
C417	08S45676W85	CAP,CER 104K-B1C -CP
C418	08S45676W85	CAP,CER 104K-B1C -CP
C419	08S45676W65	CAP,CER.222K-B1H -CP
C420	08S45676W65	CAP,CER.222K-B1H -CP
C452	08S45676W73	CAP,CER.103K-B1H -CP
C453	08S45677W60	CAP,CER 102J-CH1H-CP
C454	08S45676W73	CAP,CER.103K-B1H -CP
C501	08S45677W34	CAP,CER.82RJ-CH1H-CP
C502	08S45676W85	CAP,CER 104K-B1C -CP

C505	08S45676W85	CAP,CER 104K-B1C -CP
C506	08S45676W85	CAP,CER 104K-B1C -CP
C507	08S45676W85	CAP,CER 104K-B1C -CP
C510	08S45676W68	CAP,CER.392K-B1H -CP
C512	08S45676W85	CAP,CER 104K-B1C -CP
C513	08S45676W85	CAP,CER 104K-B1C -CP
C514	08S45677W54	CAP,CER 561J-CH1H-CP
C515	08S45677W54	CAP,CER 561J-CH1H-CP
C516	08S45676W89	CAP,CER 473K-B1E -CP
C518	08S45677W04	CAP,CER.2R0C-CH1H-CP
C519	08S45676W85	CAP,CER 104K-B1C -CP
C521	08S45676W80	CAP,CER 223K-B1E -CP
C522	08S45676W85	CAP,CER 104K-B1C -CP
C523	08S35349Y12	CAP,CER 105K-B0J -CP
C524	08S35349Y12	CAP,CER 105K-B0J -CP
C525	08S45676W80	CAP,CER 223K-B1E -CP
C526	08S45676W80	CAP,CER 223K-B1E -CP
C528	08S45676W85	CAP,CER 104K-B1C -CP
C604	08S45676W73	CAP,CER.103K-B1H -CP
C606	08S45676W85	CAP,CER 104K-B1C -CP
C702	08S45676W67	CAP,CER.332K-B1H -CP
C703	08S45676W67	CAP,CER.332K-B1H -CP
C704	08S45676W68	CAP,CER.392K-B1H -CP
C705	08S45676W68	CAP,CER.392K-B1H -CP
C706	08S45676W73	CAP,CER.103K-B1H -CP
C712	08S45676W85	CAP,CER 104K-B1C -CP
C800	08T65231Y01	CAP,CER 226K-BJ1A-CP
C801	08T65231Y01	CAP,CER 226K-BJ1A-CP
C802	08T65231Y01	CAP,CER 226K-BJ1A-CP
C803	08T65231Y01	CAP,CER 226K-BJ1A-CP
C804	08T81833F13	CAP,CER 106K-B1C -CP
C806	08T81833F13	CAP,CER 106K-B1C -CP
C807	08T81833F13	CAP,CER 106K-B1C -CP
C808	08T81833F13	CAP,CER 106K-B1C -CP
C809	08T81833F13	CAP,CER 106K-B1C -CP
C810	08T81833F13	CAP,CER 106K-B1C -CP
C811	08T81833F13	CAP,CER 106K-B1C -CP
C812	08T65231Y01	CAP,CER 226K-BJ1A-CP
C813	08T65231Y01	CAP,CER 226K-BJ1A-CP
C820	08T65231Y01	CAP,CER 226K-BJ1A-CP
C821	08S35374W10	CAP,CER 225K-B1A -CP
C822	08S35374W10	CAP,CER 225K-B1A -CP
CB101	09T45442Y50	FFC,54104-5092 -EQ
CB401	09T15107Y16	FFC,52745-1690 -E9
CB601	09T15107Y24	FFC,52435-2491 -ED
CB602	09T45442Y32	FFC,54104-3292 -EQ
CL401	91T65422Y02	OSC,CER CSTCG33M2-CP
E202	23S55311W29	CAP,TAN 47R-1A-B -CP
E203	23S55311W28	CAP,TAN 22R-1A-B -CP
E301	23S55311W28	CAP,TAN 22R-1A-B -CP
E503	23S55311W29	CAP,TAN 47R-1A-B -CP
E505	23S55311W29	CAP,TAN 47R-1A-B -CP
E702	23S55311W29	CAP,TAN 47R-1A-B -CP
IC201	51T55517Y02	NJU7223DL1-33TE1-NE5
IC202	51T55517Y01	NJU7223DL118-TE1-NE5
IC203	51T65169Y01	BD4828G-TR -CP
IC204	51T15191Y01	TC74VHC08FT-EL -SE5

IC301	51T45669Y02	MN103S26EDCUB -QT
IC401	51T55325Y01	MTP,MN102HF73G -QT
IC402	51T65770Y03	BR24L08FV-WE2 -SE2
IC403	51T55166Y01	NJM2100V-TE2 -SE2
IC501	51T45670Y01	AN8703FH-V -QT
IC601	51T55021Y02	BD7905BFS-E2 -SEE
IC701	51T65414Y01	NJM2871F33-TE1 -CP
L301	24T25164Y25	IND,FSLM2520 10RJ-CP
Q506	48T75366Y06	TR,FMC2-T148 -CP
Q507	48T55462Y01	TR,2SB1132-QR-100-E2
Q508	48T55462Y01	TR,2SB1132-QR-100-E2
R101	06S45675W43	RES,RK JUMPER1/10-CP
R118	06S45674W17	RES,RK 22RJ 1/10 -CP
R119	06S45674W17	RES,RK 22RJ 1/10 -CP
R120	06S45674W33	RES,RK 101J 1/10 -CP
R121	06S45674W33	RES,RK 101J 1/10 -CP
R122	06S45674W33	RES,RK 101J 1/10 -CP
R123	06S45674W33	RES,RK 101J 1/10 -CP
R124	06S45674W33	RES,RK 101J 1/10 -CP
R125	06S45674W33	RES,RK 101J 1/10 -CP
R126	06S45674W33	RES,RK 101J 1/10 -CP
R127	06S45674W81	RES,RK 103J 1/10 -CP
R129	06S45674W75	RES,RK 562J 1/10 -CP
R131	06S45674W97	RES,RK 473J 1/10 -CP
R132	06S45674W97	RES,RK 473J 1/10 -CP
R133	06S45674W97	RES,RK 473J 1/10 -CP
R200	06S35083Y01	RES,RK 10RF 1/4 -CP
R203	06S45675W22	RES,RK 474J 1/10 -CP
R204	06S45674W89	RES,RK 223J 1/10 -CP
R206	06S45675W22	RES,RK 474J 1/10 -CP
R208	06S45674W89	RES,RK 223J 1/10 -CP
R209	06S45674W97	RES,RK 473J 1/10 -CP
R210	06S45674W89	RES,RK 223J 1/10 -CP
R212	06S45674W97	RES,RK 473J 1/10 -CP
R301	06S45674W61	RES,RK 152J 1/10 -CP
R302	06S45674W81	RES,RK 103J 1/10 -CP
R303	06S45674W81	RES,RK 103J 1/10 -CP
R304	06S45674W81	RES,RK 103J 1/10 -CP
R305	06S45675W30	RES,RK 105J 1/10 -CP
R306	06S45674W61	RES,RK 152J 1/10 -CP
R307	06S45674W57	RES,RK 102J 1/10 -CP
R308	06S45675W43	RES,RK JUMPER1/10-CP
R309	06S15593Y51	RES,RK 122F 1/10 -CP
R310	06S15593Y97	RES,RK 104F 1/10 -CP
R311	06S15593Y51	RES,RK 122F 1/10 -CP
R312	06S15593Y71	RES,RK 822F 1/10 -CP
R313	06S15593Y71	RES,RK 822F 1/10 -CP
R316	06S45674W85	RES,RK 153J 1/10 -CP
R317	06S45675W30	RES,RK 105J 1/10 -CP
R319	06S45674W75	RES,RK 562J 1/10 -CP
R320	06S45674W75	RES,RK 562J 1/10 -CP
R321	06S45674W81	RES,RK 103J 1/10 -CP
R322	06S45674W97	RES,RK 473J 1/10 -CP
R325	06S45674W89	RES,RK 223J 1/10 -CP
R328	06S15593Y83	RES,RK 273F 1/10 -CP
R329	06S45674W91	RES,RK 273J 1/10 -CP
R330	06S45674W91	RES,RK 273J 1/10 -CP

R331	06S45674W73	RES,RK 472J 1/10 -CP
R332	06S45674W73	RES,RK 472J 1/10 -CP
R333	06S45674W63	RES,RK 182J 1/10 -CP
R334	06S45674W41	RES,RK 221J 1/10 -CP
R336	06S45674W33	RES,RK 101J 1/10 -CP
R337	06S45675W43	RES,RK JUMPER1/10-CP
R338	06S45675W43	RES,RK JUMPER1/10-CP
R339	06S45675W43	RES,RK JUMPER1/10-CP
R340	06S45675W43	RES,RK JUMPER1/10-CP
R345	06S45674W61	RES,RK 152J 1/10 -CP
R350	06S45675W08	RES,RK 124J 1/10 -CP
R351	06S45674W97	RES,RK 473J 1/10 -CP
R352	06S45674W89	RES,RK 223J 1/10 -CP
R355	06S45674W61	RES,RK 152J 1/10 -CP
R356	06S45674W61	RES,RK 152J 1/10 -CP
R357	06S45674W61	RES,RK 152J 1/10 -CP
R360	06S45675W43	RES,RK JUMPER1/10-CP
R402	06S45675W43	RES,RK JUMPER1/10-CP
R403	06S45675W43	RES,RK JUMPER1/10-CP
R404	06S45674W41	RES,RK 221J 1/10 -CP
R405	06S45675W43	RES,RK JUMPER1/10-CP
R406	06S45674W73	RES,RK 472J 1/10 -CP
R407	06S45674W73	RES,RK 472J 1/10 -CP
R408	06S45674W97	RES,RK 473J 1/10 -CP
R409	06S45674W97	RES,RK 473J 1/10 -CP
R410	06S45674W97	RES,RK 473J 1/10 -CP
R411	06S45674W97	RES,RK 473J 1/10 -CP
R412	06S45674W97	RES,RK 473J 1/10 -CP
R413	06S45674W97	RES,RK 473J 1/10 -CP
R414	06S45674W97	RES,RK 473J 1/10 -CP
R415	06S45674W97	RES,RK 473J 1/10 -CP
R416	06S45674W89	RES,RK 223J 1/10 -CP
R418	06S45674W97	RES,RK 473J 1/10 -CP
R419	06S45674W89	RES,RK 223J 1/10 -CP
R421	06S45674W97	RES,RK 473J 1/10 -CP
R422	06S45674W73	RES,RK 472J 1/10 -CP
R423	06S45674W97	RES,RK 473J 1/10 -CP
R424	06S45674W71	RES,RK 392J 1/10 -CP
R425	06S45674W97	RES,RK 473J 1/10 -CP
R426	06S45674W89	RES,RK 223J 1/10 -CP
R427	06S45674W97	RES,RK 473J 1/10 -CP
R428	06S45674W97	RES,RK 473J 1/10 -CP
R437	06S45674W81	RES,RK 103J 1/10 -CP
R438	06S45674W89	RES,RK 223J 1/10 -CP
R439	06S45674W89	RES,RK 223J 1/10 -CP
R440	06S45674W97	RES,RK 473J 1/10 -CP
R442	06S15594Y16	RES,RK 564F 1/10 -CP
R443	06S15593Y73	RES,RK 103F 1/10 -CP
R450	06S45675W43	RES,RK JUMPER1/10-CP
R451	06S45675W43	RES,RK JUMPER1/10-CP
R503	06S45674W91	RES,RK 273J 1/10 -CP
R504	06S45674W91	RES,RK 273J 1/10 -CP
R505	06S15593Y75	RES,RK 123F 1/10 -CP
R506	06S15593Y65	RES,RK 472F 1/10 -CP
R507	06S15593Y85	RES,RK 333F 1/10 -CP
R508	06S45675W43	RES,RK JUMPER1/10-CP
R510	06S45675W30	RES,RK 105J 1/10 -CP

R511	06S45675W30	RES,RK 105J 1/10 -CP
R512	06S45675W30	RES,RK 105J 1/10 -CP
R513	06S45675W43	RES,RK JUMPER1/10-CP
R514	06S45675W43	RES,RK JUMPER1/10-CP
R515	06S45675W43	RES,RK JUMPER1/10-CP
R517	06S45675W06	RES,RK 104J 1/10 -CP
R518	06S45675W06	RES,RK 104J 1/10 -CP
R519	06S45674W57	RES,RK 102J 1/10 -CP
R520	06S45674W57	RES,RK 102J 1/10 -CP
R521	06S15593Y23	RES,RK 82RF 1/10 -CP
R522	06S15593Y23	RES,RK 82RF 1/10 -CP
R524	06S15593Y75	RES,RK 123F 1/10 -CP
R528	06S45675W43	RES,RK JUMPER1/10-CP
R529	06S45675W43	RES,RK JUMPER1/10-CP
R530	06S45675W43	RES,RK JUMPER1/10-CP
R531	06S45675W43	RES,RK JUMPER1/10-CP
R533	06S45674W97	RES,RK 473J 1/10 -CP
R544	06S45674W81	RES,RK 103J 1/10 -CP
R545	06S45674W81	RES,RK 103J 1/10 -CP
R601	06S45674W33	RES,RK 101J 1/10 -CP
R603	06S45674W33	RES,RK 101J 1/10 -CP
R604	06S45674W33	RES,RK 101J 1/10 -CP
R611	06S45674W97	RES,RK 473J 1/10 -CP
R614	06S45674W02	RES,RK 2R7J 1/10 -CP
R615	06S45674W02	RES,RK 2R7J 1/10 -CP
R630	06S45674W33	RES,RK 101J 1/10 -CP
R631	06S45674W33	RES,RK 101J 1/10 -CP
R636	06S45675W45	RES,RK 1R0J 1/10 -CP
R637	06S45675W45	RES,RK 1R0J 1/10 -CP
R638	06S45675W45	RES,RK 1R0J 1/10 -CP
R639	06S45675W45	RES,RK 1R0J 1/10 -CP
R640	06S45674W02	RES,RK 2R7J 1/10 -CP
R641	06S45674W02	RES,RK 2R7J 1/10 -CP
R642	06S45674W02	RES,RK 2R7J 1/10 -CP
R643	06S45674W02	RES,RK 2R7J 1/10 -CP
R644	06S45674W02	RES,RK 2R7J 1/10 -CP
R645	06S45674W02	RES,RK 2R7J 1/10 -CP
R646	06S45674W02	RES,RK 2R7J 1/10 -CP
R647	06S45674W02	RES,RK 2R7J 1/10 -CP
R702	06S45675W24	RES,RK 564J 1/10 -CP
R707	06S45674W49	RES,RK 471J 1/10 -CP
R708	06S45674W49	RES,RK 471J 1/10 -CP
R717	06S45674W49	RES,RK 471J 1/10 -CP
R718	06S45674W49	RES,RK 471J 1/10 -CP
R722	06S35095Y08	RES,RK JUMPER 1/4-CP
R723	06S70072F05	RES,CP .10R-J-1/4-CP
R724	06S35083Y01	RES,RK 10RF 1/4 -CP
R725	06S70072F05	RES,CP .10R-J-1/4-CP
R726	06S70072F05	RES,CP .10R-J-1/4-CP
R800	06S45674W97	RES,RK 473J 1/10 -CP
R801	06S45674W97	RES,RK 473J 1/10 -CP
R802	06S45674W97	RES,RK 473J 1/10 -CP
R803	06S45674W97	RES,RK 473J 1/10 -CP
R804	06S45674W97	RES,RK 473J 1/10 -CP
R806	06S45674W97	RES,RK 473J 1/10 -CP
R807	06S45674W97	RES,RK 473J 1/10 -CP
R808	06S45674W97	RES,RK 473J 1/10 -CP

R809	06S45674W97	RES,RK 473J 1/10 -CP
R810	06S45674W97	RES,RK 473J 1/10 -CP
R811	06S45674W97	RES,RK 473J 1/10 -CP
R812	06S45674W97	RES,RK 473J 1/10 -CP
R813	06S45674W97	RES,RK 473J 1/10 -CP
RA101	06S45591W11	RES,ARY MNR22RJ 4-CP
RA102	06S45591W11	RES,ARY MNR22RJ 4-CP
RA103	06S45591W11	RES,ARY MNR22RJ 4-CP
RA104	06S45591W11	RES,ARY MNR22RJ 4-CP
RA105	06S45591W07	RES,ARY MNR101J 4-CP
RA106	06S45591W07	RES,ARY MNR101J 4-CP
RA107	06S45591W02	RES,ARY MNR473J 4-CP
RA108	06S45591W02	RES,ARY MNR473J 4-CP
RA109	06S45591W02	RES,ARY MNR473J 4-CP
RA110	06S45591W02	RES,ARY MNR473J 4-CP
SD402	48T95117F01	DIO,CP MA713 -CP
SD602	48T95117F01	DIO,CP MA713 -CP
SD603	48T95117F01	DIO,CP MA713 -CP
TH401	48T15688Y01	TMT,SC20-3U104KT -CP
TH402	48T15688Y01	TMT,SC20-3U104KT -CP
XL301	91T55217Y08	XTL,NX8045GB 16.9-E5
=====Miscellaneous		
DIN3001	09T55071W11	CON,TCP9389-11 -DT
DIN3002	09T55071W12	CON,TCP9389-11-1030
IC3008	51T45264W02	TOTX193K -NS
		(FOT)
JK8002	09T75358W02	JAC,HSJ1102-01-520DB
CH3001	01T04219K01	ASSY,RCA RV5210
		(AUDIO(R) OUT/
		AUDIO(L) OUT/VIDEO OUT)
		ASSY,WIRE PWR RV5210
		(ACC/REMOTE IN/BATT
		(Included AUTO FUSE 7.5A)/GND)
=====DV33M01B		
HD101	81B51264Y01	PICKUP,ED21A010
M101	59T65140Y01	MOTOR,M1N6GB105E
		(5V-200mA)
M102	59T65141Y01	MOTOR,F7IHR13
		(5V-350mA)
M103	59T65142Y01	MOTOR,MSDV020L01
		(6.5V)
SW401	40T55230Y01	SW,DETCT ESE13V01CE5
		(DISC DETECT L)
SW402	40T55230Y01	SW,DETCT ESE13V01CE5
		(DISC DETECT R)
SW403	40T55043Y02	SW,DETCT SPVL12 -E5
		(12cmDISC RELOAD DETECT)
SW404	40T15494Y01	SW,DETCT SPVG23 -E6
		(8cmDISC DETECT)
SW405	40T55230Y02	SW,DETCT ESE13V99-E5
		(DISC LOAD END DETECT)
SW406	40T15494Y01	SW,DETCT SPVG23 -E6
		(LIMIT)

Cabinet Assembly Parts List

Note : * The part that has not PART NUMBER will not be supplied.

1	13C04166K01	NOSE,PIECE ASSY
2	-----	COVER, TOP
3	-----	CHAS, BASE
4	-----	BKT, CHAS REAR
5	03S44205G34	SCR, T-TITE M2.6X5BLK
6	03T25225Y01	SCR, GND
7	03S60825Y04	SCR, B-T 3X8 ZN A
8	07D00749K01	BKT, SIDE L
9	07D00749K02	BKT, SIDE R
10	33C04102K01	FACE, PLATE
11	75S40755Y78	CUS, RUB 11X5XT4.5
12	81D70571Y01	DV33M01B, DVD MECH
13	30T04231K01	SML2CD50X144ADX10BL
16	14S50096Y21	INS, CVR 27X11XT0.1
17	36B04004K01	KNOB, EJECT
18	36B04005K01	KNOB, RESET
19	61B04003K01	LENS, IND
20	03S60823Y06	SCR, P-T 2X8 ZN A
21	42T93247F07	WIRE, SADDLE

DVD Deck Mechanism Assembly Parts List

Note : The part that has not PART NUMBER will not be supplied.

2	01A51490Y01	ASSY,RIV GUIDE TOP
3	-----	CHASSIS,TOP
4	41A60338Y01	SPRING,DRIVE F-L
5	41A60339Y01	SPRING,DRIVE F-R
6	41A60340Y01	SPRING,DRIVE R
7	41A60344Y01	SPRING,LEV ROLL-L
8	03S94385F19	SCR,NYLOK M2X2.5
9	43A51233Y01	ROLLER,DISC PIN
10	14T60573Y01	INSULATOR,DRIVER
11	03S72235F76	SCR,MCH M2X2 SN
12	14B51711Y01	INSULATOR,PWB MAIN
13	-----	ASSY,RIV CHAS BASE
14	45C51003Y02	LEVER,TRIGER MAIN
15	41A51395Y01	SPRING,LEV TRG MAIN
16	45A50833Y01	LEVER,LINK SLDR (R)
17	45B51221Y01	SLIDER,LOCK (R2)
18	41A51396Y01	SPRING,SLD LOCK(R2)
19	45C51237Y02	SLIDER,LOCK (R1)
20	44A50829Y01	GEAR,LOAD (E)
21	45B50834Y01	SLIDER,DISC SW (L)
22	45B50835Y01	SLIDER,DISC SW (R)
23	45B50838Y01	LEVER,LOCK (RC)
24	41A60343Y01	SPRING,LEV LOCK-RC
25	07A51206Y01	BKT,DRIVE IC
26	41A60341Y01	SPRING,LEV DISC
27	04B41345P14	WASH,L. 2.1X4X0.25
28	75C60456Y03	DAMPER,DV-TM
29	75C60456Y02	DAMPER,DV-TM
30	14A51712Y01	INSULATOR,FPC
31	03S94385F07	SCR,NYLOK M2X2
32	45D51236Y02	SLIDER,LOCK(L)
33	01A51491Y01	ASSY,RIV LEV ASST
34	01B51315Y01	ASSY,SLIDER TRIGER
35	41A60348Y01	SPRING,SLD TRIGER
36	04B41345P15	WASH,1.2X3.5X0.35
37	49A51397Y01	ROLLER,DV-TM
38	43A51228Y01	BUSH,ARM GUIDE
39	45A51218Y01	LEVER,ROLLER (L)
40	45A51219Y01	LEVER,ROLLER (R)
41	41A60360Y01	SPRING,ARM GUIDE
42	45B60964Y01	ARM,DISC GUIDE
43	45B60959Y01	ARM,DISC GUIDE-L
44	45B60960Y01	ARM,DISC GUIDE-R
45	04S40075G09	WASH,2.6X4.7X0.25
46	14A61435Y01	INSULATOR,ARM DISC
47	47A51349Y01	SHAFT,ROLLER
48	44A50832Y01	GEAR,ROLLER
49	04B41345P02	WASH,1.7X3.5X0.25
50	01A51485Y01	ASSY,RIV BKT LD-F
51	47A51346Y01	SHAFT,LOAD
52	44A50827Y01	GEAR,LOAD (C)
53	44A50830Y01	GEAR,LOAD (F)

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54	84T65143Y01	FPC,LOAD
55	01A51486Y01	ASSY,RIV BKT LD-R1
56	01A51487Y01	ASSY,RIV BKT LD-R2
57	44A50825Y01	GEAR,LOAD (A)
58	44A50826Y01	GEAR,LOAD (B)
59	07B51226Y01	BKT,SHAFT LOAD
60	03S30688Y17	SCR,MCH M1.4X2
61	04B41345P11	WASH,1.2X2.5X0.25
62	45B51235Y01	SLIDER,ARM LIFT (R)
63	41A60336Y01	SPRING,CLAMP-R
64	41A60335Y01	SPRING,CLAMP-L
65	41A60337Y01	SPRING,CLAMP-RTL
66	-----	ASSY,RIV ARM CLAMP
67	43A51239Y01	STOPPER,CLAMP
68	43B51225Y01	TABLE,CLAMPER
69	-----	ASSY,RIV CHAS PICK
70	07B51317Y01	BKT,SPINDLE ADJUST
71	84T65144Y01	FPC,DRIVE
72	07A50823Y01	BKT,SHAFT PICKUP
73	47A51347Y01	SHAFT,PICKUP MAIN
74	47A51348Y01	SHAFT,PICKUP SUB
75	41B50836Y01	SPRING,NUT
76	15A51210Y01	COVER,MAIN
77	03S94385F09	SCR,NYLOK M2X3 P2
78	45C51234Y01	SLIDER,8CM
79	01B61577Y01	ASSY,RIV LEVER-8L
80	45A51231Y01	LEVER,TRIGER 8CM
81	45A51232Y01	LEVER,TRIGER SUB
82	41A51394Y01	SPRING,LEV 8CM(L)
83	41A60346Y01	SPRING,LEV TRG-SUB
84	41A60347Y01	SPRING,SLD 8CM
86	07A60069Y01	BKT,SLIDER 8CM
87	15B61279Y01	SPACER,DAMPER
88	03S94385F98	SCR,NYLOK M2X2.5